



# YASMIN FARISAH SALMA

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Bandung, West Java, Indonesia.

Hardworking and dedicated Informatics Engineering student from Institut Teknologi Bandung with passion in the Informatics Industry. Proficient in many programming languages, data analytics, Microsoft tools, Google workspaces, adept at collaborating with diverse teams to accomplish project goals.

## Educations

**Institut Teknologi Bandung - Bandung, Indonesia**

Aug 2022 - Aug 2026 (Expected)

*Bachelor's degree in informatics engineering*

## Work Experiences

**BangSoal – Depok, Indonesia (Hybrid)**

October 2024 - December 2024

*Software Engineer Intern*

Technology used: Dart, Flutter, Nx, TypeScript, Freezed, Android Studio, XCode

- Developed a website for international BangSoal
- Developed a mobile app for BangSoal
- Refactored code using clean architecture principles and flutter bloc pattern to ensure better organization, modularity, atomicity, and reusability of components.

**Ivosights – South Jakarta, Indonesia (Hybrid)**

July 2024 - September 2024

*Business Technical Intern*

Technology used: Python, C#, .NET, SQL, Postman, Google Sheets, Gulp.js, Vite, Typescript, React.js, HTML, CSS, JavaScript.

- Developed a sustainable fullstack website for internal use (meeting room management system)
- Analyzed data & performance and made the reports
- Made technical guidelines, documentations, and user acceptance testing (UAT) form
- Made API and did API testing
- Made frontend for client's projects

## Achievements

**3<sup>rd</sup> Place Data Analytics Competition FINDIT! UGM 2024 - National**

*Held by Universitas Gadjah Mada*

Technology used: Python, Jupyter Notebook, R.

- Developed a machine learning model for promotion prediction with 90.20 F1 macro score and 0.82089 accuracy.
- Triumphed over more than 500 participants.

**1<sup>st</sup> Place Youth Scientific Research Competition in the field of Natural Sciences - Regional**

Technology used: Microsoft Excel.

*Held by Bengkulu Department of Education and Culture*

- Conducted research on the benefits of bamboo shoots for treating diseases in chickens.

## Projects

**Purln | LinkedIn-Like Website - Developer**

Dec 2024

A professional networking website for everyone to connect, share updates, and chat securely.

Technology used: TypeScript, Vite, React.js, Tailwind.

- Built RESTful APIs with JWT-based authentication and PostgreSQL.
- Developed a responsive SPA using React.
- Implemented real-time messaging with WebSocket and push notifications.
- Designed LinkedIn-inspired UI/UX and conducted stress/load testing with Docker and Kubernetes.

**FingerTape | Biometric Identification Desktop App - Developer**

June 2024

A desktop application for identifying individuals using fingerprint images and advanced pattern matching algorithms.

Technology used: C#, .NET.

- Developed a robust and user-friendly desktop application for individual biometric identification using fingerprint images.
- Utilized C# and Visual Studio .NET to implement advanced pattern matching algorithms, including Boyer-Moore and Knuth-Morris-Pratt, for accurate and efficient fingerprint matching.

## Hailday | Farming Desktop App - Developer

May 2024

A farming simulation desktop app that allows users to manage crops and livestock on grid-based plots.

Technology used: Java, Javafx, IntelliJ, Maven.

- Designed and developed a farming simulation application with a graphical user interface using Javafx.
- Enabled crop planting and livestock maintenance on grid-based plots, including resource management and threat protection.

## WikiPaddy | WikiRacer Website - Developer

Apr 2024

A website that helps users find the shortest paths between Wikipedia articles using graph traversal algorithms.

Technology used: Go, ReactJS, CSS, Next.js.

- Developed a website for navigating Wikipedia articles using graph traversal algorithms.
- Implemented BFS, Bi-BFS and IDS to find shortest paths between articles, with interface for query submissions & visualizations.

## LookAt | Content-Based Image Retrieval Website - Developer

Nov 2023

A website for retrieving images based on content similarities using mathematical algorithms.

Technology used: Python, ReactJS, Tailwind, Next.js.

- Developed a website for image retrieval based on content similarities using linear algebra principles.
- Allowed users to upload images and datasets for analysis and comparison by color and texture.

## HTML5 Checker using Pushdown Automata - Developer

Nov 2023

A tool for validating HTML5 documents using pushdown automata principles.

Technology used: Python, HTML

- Developed a tool to validate HTML5 documents using pushdown automata.
- Ensured compliance and accuracy of HTML5 code through automated validation.

## Organizational Experience

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### Skill Up – Bandung, West Java

Mar 2024 – Present

#### Community Project Staff

Organized educational activities for children and orphans to foster their development.

### Unit Robotika ITB – Bandung, West Java

Dec 2023 – Present

#### Finance

Managed financial planning and budgeting for robotics projects and activities.

### Himpunan Mahasiswa Informatika (HMIF) ITB – Bandung, West Java

Oct 2023 – Present

#### Deputy Head of Community Services

Organized activities with orphanage children, taught programming to students, & conducted community outreach in rural areas.

#### Project Leader of HMIF Berbagi

Directed the HMIF Berbagi project, coordinating efforts to distribute food, information, and support to those in need.

### Sekolah Teknik Elektro dan Informatika (STEI) Komputasi '22 ITB – Bandung, West Java

Aug 2022 – Present

#### Secretary

Managed administrative tasks, coordinated meetings, and maintained records for the organization.

### Google Developer Students Club (GDSC) ITB – Bandung, West Java

Jan 2023 – Sept 2023

#### Data Science Member

Participated in data science projects and events, learning the development of data-driven solutions.

## Skills & Other Experiences

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- **Soft Skills** (2024): Leadership, Research, Presentation, Data Analysis, Data Visualization, Analytical Thinking, Critical Thinking, Teamwork, Problem Solving, Flexibility, Communication, Empathy.
- **Hard Skills** (2024): Git, Microsoft tools, Google tools & workspaces, SQL, Python, R, RStudio, Tableau, Pandas, C, C++, Java, Golang, HTML, CSS, Tailwind CSS, JavaScript, ReactJS, Next.js, Javafx, Canva, Figma, Postman.
- **Event Committee Experience:**
  - FrontEnd Developer of Aku Masuk ITB 2023
  - Secretary of Ad-Hoc Pemira KM ITB
  - Secretary of STEI-K CUP 2023
  - Secretary of MATRIX: Bonding Night STEI ITB
  - Secretary of AUGMENT-IT:Gathering STEI 2.0