Md Fayaj Nakib

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 fayajnakib | Fayaj-Nakib

Dhaka - 1216, Bangladesh

SUMMARY

Full-stack software engineer with hands-on experience building and scaling production systems using Laravel, Next.js, and PostgreSQL. Strong background in competitive programming, API development, and deployment on Linux servers with CI/CD pipelines. Skilled at analyzing high-frequency data flows, optimizing backend performance, and collaborating in agile development environments.

EXPERIENCE

• **Cassetex [⊕]**   *February 2025 - Present*
Associate Software Engineer   Mohakhali DOHS, Dhaka-1212
  ◦ Developed and deployed scalable web applications using Laravel, Next.js, and PostgreSQL.
  ◦ Designed secure RESTful APIs, improving inter-service communication and data consistency.
  ◦ Optimized real-time workflows handling high-frequency operational data.
  ◦ Implemented asynchronous jobs, queues, and backend optimizations (query tuning, caching, indexing).
  ◦ Managed Linux deployments via GitHub Actions, SSH pipelines, and automated releases.
  ◦ Debugged production issues using logs and monitoring tools; built modular backend components for maintainability.

• **Eutropia-IT [⊕]**   *July 2024 - December 2024*
Junior Software Engineer   Mohammadpur, Dhaka-1212
  ◦ Built dynamic web applications using Laravel and Next.js, reducing feature delivery time for client projects.
  ◦ Improved backend API performance by optimizing queries and reducing response time.
  ◦ Fixed production bugs, refactored critical modules, and supported deployment tasks.

EDUCATION

• **B.Sc.(Engg) in Computer Science and Engineering**   *June 2020 - June 2024*
University of Asia Pacific   Dhaka, Bangladesh
  ◦ CGPA: 3.60/4.00

• **H.S.C: Science**   *2019*
Naogaon Govt. College   Rajshahi Board
  ◦ Grade: 4.00/5.00

• **S.S.C: Science**   *2017*
Naogaon K.D. Govt. High School   Rajshahi Board
  ◦ GPA: 5.00/5.00

PROJECTS

• **IELTS Preparation App**   2025
Tools: [React ,Tailwind ,Firebase]   [⊙]
  ◦ Built modules for reading, writing, and vocabulary with secure Firebase authentication.

• **Human Disease Prediction**   2023
Tools: [Python, ML]   [⊙]
  ◦ Developed an SVM-based prediction system achieving 85

• **Car Dealer Web App**   2023
Tools: [Django]   [⊙]
  ◦ Implemented inventory, product management, and sales workflows.

• **Self Portfolio**   2023
Tools: [JavaScript, NextJs]   [⊙]
  a modern personal portfolio with Next.js, featuring project demos, skills overview, and direct contact functionality.

• **Automobile Shop Database**   2022
Tools: [SQL]   [⊙]
  ◦ Designed relational schema for inventory & transaction management.

• **Library Management System**   2022
Tools: [Java, CSS]   [⊙]
  ◦ Built book-lending and member management modules.

RESEARCH EXPERIENCE

• **I-SORT | An IoT-enhanced autonomous product sorting robot for eCommerce** *July 2023 - June 2024*
University of Asia Pacific | Undergraduate Thesis
  ◦ Designed an automated sortation system for warehouse operations, increasing accuracy and throughput.
  ◦ Developed real-time item tracking and optimized workflow automation.

SKILLS

• **Programming Languages:** Python, C/C++, Java, JavaScript
• **Frontend Development:** React.js, Next.js, TailwindCSS
• **Backend Development:** Laravel, Django, REST APIs
• **Databases:** PostgreSQL, MySQL, SQLite
• **Tools & Platforms:** Git, Docker, VS Code, Postman, Vercel, draw.io, Trello, Taiga
• **Data Science & Machine Learning:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Support Vector Machine (SVM)
• **Soft Skills:** Problem-Solving, Teamwork, Communication, Critical Thinking
• **Language:** English (Fluent), Bengali (Native)

HONORS & AWARDS

• **Vice Chancellor's & Dean's Awards — UAP** *Fall 2022, Fall 2020*

• **Intra-UAP Programming Contest (4th Runner-Up)** *2022*

• **Photography Awards — Bangladesh Youth Club & UAP** *2022*

EXTRA-CURRICULAR

• **Participant, ICPC Preliminary Rounds (2020–2023)**

• **Hackathon participant, UAP Software-Hardware Carnival** *2022*

• **Event Coordinator, UAP Film & Photography Club** *June 2022 – June 2024*

VOLUNTEER EXPERIENCE

• **Volunteer, ACM ICPC World Finals Dhaka 2022** *November 2022*
[🌐]
• **Volunteer, Ada Lovelace Celebration 2022 (BdOSN)** *July 2022*
[🌐]

CERTIFICATIONS

• **Getting Started with Git and GitHub offered by IBM by Coursera** *2025*
• **Neural Networks and Deep Learning offered by DeepLearning.Ai by Coursera** *2024*
• **Supervised Machine Learning: Regression and Classification offered by DeepLearning.Ai by Coursera** *2024*
• **Foundation of Project Management offered by Google by Coursera** *2023*
• **Technical Support Fundamentals offered by Google by Coursera** *2023*

REFERENCES

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