Md Fayaj Nakib

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Dhaka - 1216, Bangladesh

SUMMARY

Full-stack software engineer with hands-on experience in Laravel, Next.js, and PostgreSQL. Proven ability to build and scale web applications, integrate secure RESTful APIs, and manage deployments on Linux servers. Adept at collaborating in agile environments to deliver high-quality, high-impact features that improve user experience and operational efficiency.

EXPERIENCE

- **Cassetex [🌐]** — *February 2025 - Present*
Associate Software Engineer — Mohakhali DOHS, Dhaka-1212
  ◦ Built and deployed scalable web applications using Next.js, Laravel and PostgreSQL backends
  ◦ Designed and integrated secure RESTful APIs, improving system interoperability.
  ◦ Deployed and maintained production systems on Linux VPS using GitHub Actions and secure SSH pipelines.
  ◦ Collaborated with cross-functional teams to enhance system performance and user experience.

- **Eutropia-IT [🌐]** — *July 2024 - December 2024*
Junior Software Engineer — Mohammadpur, Dhaka-1212
  ◦ Developed websites with Laravel Next.js, improving feature delivery speed.
  ◦ Optimized API endpoints, reduced response time.
  ◦ Contributed to performance tuning and bug fixes in production environments.

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

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, improving sorting accuracy and throughput.
  ◦ Reduced manual labor requirements and optimized space usage while providing real-time product tracking.

PROJECTS

- **IELTS Preparation App** — *2025* [🌐]
Tools: [React.js, Tailwind CSS, Firebase]
  ◦ Developed an application with reading, writing, and vocabulary modules; implemented Firebase authentication and database.

- **Human Disease Prediction** — *2023* [🌐]
Tools: [Machine Learning Algorithm, HTML, Python]
  ◦ Built an SVM-based system predicting diseases with 85% accuracy from symptom input.

- **Car Dealer Web App** — *2023* [🌐]
Tools: [HTML, Python, CSS, JavaScript,Django]
  ◦ Developed an online car inventory and sales management platform.

- **Self Portfolio** — *2023* [🌐]
Tools: [JavaScript, CSS, HTML, PHP,Django]
  ◦ Created a personal portfolio website to showcase skills and projects.

- **Automobile Shop Database** — *2022* [🌐]
Tools: [SQL]
  ◦ Designed a database system for inventory and transaction management, to support real-time updates.

- **Library Management System** — *2022* [🌐]
Tools: [Java, CSS]
  ◦ Developed a system for library operations, streamlining book lending and member registration.

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
- **Data Science & Machine Learning:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Support Vector Machine (SVM)
- **Tools & Platforms:** Git, Docker, VS Code, Postman, Vercel, draw.io, Trello, Taiga
- **Language:** English (Fluent), Bengali (Native)
- **Soft Skills:** Problem-Solving, Teamwork, Communication, Critical Thinking

Honors and Awards

- **Vice Chancellor's and Dean's Awards** *University of Asia Pacific | Fall 2022 , Fall 2020*
Recognizing academic excellence and discipline.
- **Intra-UAP Programming Contest** 2022
Secured fourth runner-up position, solving algorithmic challenges in C++ and Python, showcasing teamwork and problem-solving.
- **Photography Awards** 2022
Won 1st Prize in Mobile Category(Bangladesh Youth Club) and Champion in UAP Diary Segment(UAP Film & Photography Club).

Extra-Curricular Activities

- **International Collegiate Programming Contest** 2020,2021,2022,2023
Participated in Preliminary Round
- **Software-Hardware Carnival by SnH, CSE, UAP** 2022
Participated in Hackathon
- **Film and Photography Club, CSE-UAP** *June 2022 - June 2024*
Served as Event Coordinator and Executive.

Volunteer Experience

- **ACM ICPC World Finals Dhaka** *November 2022*
Volunteered in the 45th ICPC world final, hosted by uap [🌐]
- **Ada Lovelace Celebration 2022** *July 2022*
Bangladesh Open Source Network ((BdOSN) [🌐]

Certifications

- **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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