Aryan Kush

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Education

Vellore Institute of Technology, Bhopal
B.Tech in Computer Science and Engineering — CGPA: 8.3
June 2026 — Bhopal, Madhya Pradesh
Model School, Rohtak, Haryana
12th - CBSE: 91.8% — May 2021
10th - CBSE: 95%

Work Experience

Python Web Intern (Remote) — Sep 2024 – Nov 2024
Mymegaminds

- Optimized back-end architecture and query efficiency using Flask and SQL, resulting in a 300% increase in website traffic and 25% reduction in average query processing time.
- **Tech Stack:** Employed Flask and SQL to develop a database management system, enabling the team to process 500+ customer data entries daily with 99.9% accuracy.
- **Web URL:** `https://www.mymegaminds.com/`

Software Testing Intern — Oct 2024 – Dec 2024
Hyaku Innovative Technologies, Jaipur, India

- Completed a 2-month Software Testing Internship, improving software quality and reliability.
- Identified and reported 100+ critical bugs, reducing post-release defects by 30% and enhancing test coverage by 25%.
- Streamlined bug reporting using defect tracking tools, improving issue resolution time by 20% and ensuring ISO 9001:2015 compliance.

Projects

DocHealth — Dec 2024 – Mar 2025
(HTML/CSS, JavaScript, React.js, Node.js, MongoDB, OpenAI API, TensorFlow, AWS (EC2, S3, Lambda), Docker)

- Algorithm used – Support Vector Machine (SVM) and NLP model.
- UI dashboard and chatbot AI for patients.
- Report submission and analysis portal for patients and doctors.

Budget Tracker App — Jan 2025 – Apr 2025
TypeScript, ReactJS, Next.js, PostgreSQL, Tailwind CSS, Prisma, Clerk, Recharts, CSV Export

- Developed a full-stack budget management web application enabling users to track income, expenses, and investments with monthly and yearly aggregation.
- Engineered customizable category functionality enabling users to create up to 20 unique budget categories, facilitating granular financial tracking and improving user engagement by 35%.
- Integrated secure user authentication using Clerk and leveraged Prisma ORM for seamless PostgreSQL data operations.
- Deployed a responsive and accessible UI using Tailwind CSS, Shadcn UI, and Lucide icons.

Technical Skills

- **Languages:** C++, Python, SQL (Postgres), JavaScript, HTML/CSS.
- **Frameworks:** React, Node.js, Next.js, MongoDB.
- **Cloud Services and Tools:** Git, Docker, AWS, Linux, System Design.
- **Certifications:** Gen AI, Cyber Security, C++ (Coding Ninja).

Achievements

- Solved 200+ DSA questions on LeetCode.
- Advanced to Level 2 of EY-Techathon.
- Advanced to Round 2 of NOKIA Hackathon.
- Co-authored multiple research papers; marketing abstract selected for paper presentation; represented state in sports.