Amit Kumar

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Education

Pranveer Singh Institute of Technology, Kanpur	**2022 − 2025**
Bachelor of Technology (B.Tech), Information Technology	*CGPA: 7.24*
Dayalbagh Educational Institute	**2019 − 2022**
Diploma in Mechanical Engineering	*67.9%*
Vidya Bharati Chinmaya Vidyalaya, Jamshedpur	**2017 − 2019**
Senior Secondary (CBSE)	*60%*
Vidya Bharati Chinmaya Vidyalaya, Jamshedpur	**2015 − 2017**
Secondary (CBSE)	*CGPA: 7.4*

Projects

Secure Authentication System – *SvelteKit, NestJS, Supabase, JWT, Docker*   **Aug 2025-Oct 2025**
- Developed a full-stack authentication system with signup, login, session management, and role-based access control.
- Implemented secure password hashing, JWT authentication, refresh tokens, and IP-based login tracking.
- Built SvelteKit frontend with real-time password policy validation and responsive UI.
- Integrated Supabase PostgreSQL with Row-Level Security (RLS) for secure data isolation.
- Containerized backend using Docker and improved deployment consistency by 40%.

Hiring Platform (Full Stack Web App) – *Golang, Node.js, React, MongoDB*   **Aug 2024 − Dec 2024**
- Engineered a scalable job hiring platform with 100+ beta users for job listings, resumes, and admin workflows.
- Built RESTful APIs using Golang and Node.js, reducing database query latency by 30%.
- Designed React frontend with real-time filters, increasing user engagement by 35%.
- Automated applicant screening, saving recruiters 40% of manual effort.

Driver Drowsiness Detection App – *Python, OpenCV, Keras*   **Jan 2024 − May 2024**
- Developed an Android-based ML app detecting fatigue via real-time eye tracking, yawns, and head tilt.
- Achieved 93% detection accuracy, improving driver safety in test cases by up to 60%.
- Integrated OpenCV, TensorFlow, and Keras to deploy lightweight CNN model on-device.
- Reduced false positives by 20% using threshold-based alerts.

Skills

Languages: C, Python, Golang, JavaScript, TypeScript
Frameworks/Libraries: React.js, Node.js, Express.js, Next.js, Svelte, Tailwind CSS, Bootstrap
Databases: MongoDB, MySQL, PostgreSQL, Supabase
Developer Tools: Git, GitHub, Postman, VS Code, Docker, Docker Compose, Firebase
Concepts: REST API, OOP, DSA, Agile, CI/CD, JWT Auth, MVC Architecture, Containerization

Experience

Oasis Infobyte   **Dec 2023**
Web Development Intern   *Kanpur, India*
- Built and maintained 5+ dynamic web pages for client websites, improving conversion rates by 20%.
- Fixed 12+ critical UI/UX issues, boosting average session duration by 1.4x.
- Enhanced SEO scores by 18% by optimizing page load times and metadata structure.
- Collaborated with design and QA teams using Agile sprints and Git-based workflows.

Certifications and Awards

Certified: Python (Basic) – HackerRank

3-Star Python Coder – HackerRank (Top 20%)

Champion (Level 5) – Code Studio DSA Track

Media Lead and Photographer – Footprints Tech Fest (2023)