Ayush Dubey

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EDUCATION

MS in Information Technology, Arizona State University, Tempe, AZ   **GPA: 4/4 | Graduated: May 2025**

BS in Information Technology, University of Mumbai   **GPA: 3.65/4**

TECHNICAL SKILLS

- **Core Expertise:** Software Development, Mobile App Development, Error Debugging, Web Development, SEO, and DevOps.
- **Frontend:** HTML5, CSS3, **JavaScript (ES6+), TypeScript**, React.js, Next.js, Angular, Redux, Bootstrap, **Tailwind CSS**, jQuery, Jest, Babel.
- **Backend:** Node.js (Express), **Django**, Flask, Laravel, PHP, **Java (Spring Boot)**, Python, RESTful APIs, **GraphQL**.
- **Databases & Data Technologies:** MongoDB, **PostgreSQL**, **MySQL**, Firebase, Oracle DBMS, Redis, Prisma ORM.
- **Cloud & DevOps: AWS (EC2, S3, Lambda)**, Azure, Docker, GitHub Actions, Jenkins, CI/CD Pipelines, Nginx, Linux/Unix, Kubernetes.
- **Tools & Platforms:** Git, **GitHub**, Bitbucket, Postman, JIRA, SonarQube, Figma, GA4, Workday, Salesforce Integration, VS Code.

WORK EXPERIENCE

Arizona State University - Project Humanities, United States

Web Developer   **Aug 2024 – May 2025**

- Rebuilt and modernized high-traffic pages using **React.js**, improving load times, SEO, and accessibility compliance (WCAG 2.2).
- Maintained and enhanced Drupal/WordPress-based CMS platforms, integrating **GA4** for user insights and performance tracking.
- Deployed containerized updates using **Docker** and **Ansible** on Linux-based servers, **reducing release time by 40%** and maintaining consistent versioned deployments with zero downtime across production updates.
- Implemented Python-based utilities and scheduled **Cron Jobs** to manage database backups, enforce security protocols achieving **100% compliance with ASU's IT policies.**

Insight Enterprises, United States

Software Development Intern   **June 2024 – Aug 2024**

- Contributed to SAP Cloud Commerce (Hybris) project by analyzing architecture and improving system performance.
- Engineered and implemented automation workflows using **Java**, **Bash**, and **GitHub Actions** to update client-side file versions in response to server-side code changes, reducing manual update time by 50%.
- Collaborated with a cross-functional team of 30+ members, leveraging Git and GitHub for version control, implementing **CI/CD pipelines**, and utilizing Docker and **SonarQube** for efficient software deployment and quality assurance.
- Optimized system configurations on **Linux VMs** to improve performance and stability, and documented procedures for reference.

AGT Multimedia, Mumbai, India

Software Developer   **June 2021 – May 2023**

- Redesigned and optimized full-stack architectures using React, WordPress, JavaScript, TypeScript and PHP, boosting load times and enhancing accessibility for financial applications used by thousands of customers.
- Automated backend data workflows with optimized **MySQL** and **PostgreSQL** procedures and indexing, while integrating **AWS S3** for scalable file storage and **AWS Lambda** for lightweight serverless task execution.
- Demonstrated expertise in building dynamic **RESTful APIs** and backend logic for dynamic React applications, reducing latency and improving data delivery reliability.
- Engineered Content Management Systems (**CMS**) for e-commerce clients using JavaScript and **PHP,** implementing VAPT measures to identify and mitigate vulnerabilities, fortifying API security and **optimizing backend rendering by 80%.**

PROJECTS

Laugh Out Loud – Meme Aggregation and Sharing Platform (Source Code)   **May 2025 – June 2025**

- Built a meme platform using **React** and **Firebase** with Google Auth, real-time sync, meme saving, and mobile-friendly swipe navigation.
- Integrated **Hugging Face's Mistral-7B-Instruct** model to create an AI-powered "Roast Me" chatbot using prompt engineering for humorous, personalized responses.
- Optimized performance with intelligent prefetching, image fallback handling, and deployed securely on **Vercel** with protected environment configs and **GitHub** integration.

FetchMate – React-Based Dog Adoption Platform (Source Code)   **Mar 2025 – Apr 2025**

- Built a responsive React web app for Fetch's take-home assessment that helps users find adoptable dogs based on preferences.
- Developed dynamic filtering, **geolocation-based search**, and favorites-based matchmaking with smooth UI transitions.
- Designed responsive, mobile-first user interfaces using **CSS Modules**, Flexbox, and media queries, ensuring compatibility.
- Set up seamless deployment with **Vercel**, integrating GitHub webhooks for automatic updates.

ReactMart – Full-Stack E-Commerce Platform   **Oct 2022 – Mar 2023**

- Built a scalable e-commerce app with React, **Redux Toolkit**, **TypeScript**, Node.js, and MongoDB using role-based **JWT auth**.
- Built a dynamic admin dashboard with CRUD operations for products and orders using RESTful APIs and implemented server-side validation with Express middleware.
- Integrated **PayPal Sandbox API** for real-time transaction handling and secure payments, and configured **AWS S3** for scalable, CDN-backed product image storage.