Naman Dureja

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EDUCATION

Netaji Subhas University of Technology, Delhi   **Dec 2021 - June 2025**
Current CGPA: 9.3   *BTech, Computer Science | Specialization: Data Analytics*

Delhi Public School, Vasant Kunj, Delhi   **Apr 2018 - Mar 2020**
12th CBSE - 95%, **10th CBSE** - 96.3%   *Physics, Chemistry, Mathematics and Computer Science*

TECHNICAL SKILLS

- **Languages**: Python, C++, Java, JavaScript, TypeScript, Dart, HTML, CSS
- **Technologies**: ReactJS, NextJS, NodeJS, Firebase, MongoDB, MySQL, Docker, Flutter, Android, Redis, AWS & Azure CI/CD

WORK EXPERIENCE

BrdsAi, United States | Software Developer Intern   **May 2023 – August 2023**
- Implemented a robust backend infrastructure using **Java's SpringBoot** framework, encompassing features such as CRUD operations for patient notes, authentication using **JWT tokens** for secure transmission and session management. Leveraged **MySQL** and **MongoDB** for efficient data storage and retrieval.
- Integrated AI capabilities using **OpenAI's GPT APIs,** empowering doctors with AI assistance and improving workflow efficiency. Implemented real-time data streaming from the backend API using **Server Sent Events**, ensuring seamless communication and real-time updates.
- Developed a patient management system using **NextJS** for the frontend, incorporating a user-friendly WYSIWYG note editor built using Redux for efficient patient note creation and editing.
- Implemented a **microservices architecture** using **Docker** containers to ensure scalability and deployed the backend components for seamless integration and enhanced performance.
- Established a **CI/CD** pipeline utilizing **AWS CodeDeploy** automations, streamlining the deployment process, ensuring rapid delivery of features, and maintaining high availability of the application.

TechBrig, New Delhi | Lead Developer   **Oct 2022 – May 2023**
- Led the development of the official student and faculty portal for **IIM Indore**, used by over 2000 individuals. Built features like a student marketplace, timetable management, and campus-wide connectivity, using **NextJS** for the web application, **MongoDB** for storage and **Redis** for caching.
- Designed HRM (Human Resource Management) solutions for global clients such as **Tata** and **Birla**, featuring functionalities like employee leaves, payslips, team progress tracking, and task management.
- Created a comprehensive ecommerce website for Craftworx Agra, including a cart system, order management, secure payment integration and a content management system, using **ReactJS** and **Strapi**.

Knoblr, United States | Software Developer   **Nov 2021 - Dec 2022**
- Developed key functionalities for the startup including a **real-time communication system** with video call capabilities and real-time synchronization of collaboration whiteboards across all devices using **web sockets**.
- Implemented integration of third-party APIs like **Slack**, **Zoom**, **PayTM** and a Chrome extension to enhance functionality.

PROJECTS

- **Glue:** Developed a cross-device communication platform that allows for seamless transfer of data between connected devices, using a custom **TCP-based protocol** for fast, efficient and secure data transfer utilizing **Protocol Buffers.** Built using **Flutter**, **ElectronJS** and **NodeJS**.
- **AmazeBot:** Developed an AI chatbot in collaboration with my professor, serving as the official chatbot for student inquiries at NSUT. Utilized **Flask** for the backend and **ReactJS** for the chatbot interface. Implemented OpenAI's APIs and **custom embeddings** to train the AI model on college-specific data, enabling the bot to provide accurate answers to student queries.
- **Spectrum:** Built an accessibility mobile application, using **Java**, to improve communication and interaction for individuals with dyslexia and color blindness through features such as text readability enhancement and color simulation.

AWARDS AND ACHIEVEMENTS

- **Web Development Lead, Google Developer Student Clubs, NSUT:** Led web development initiatives and organized multiple speaker sessions, workshops, orientations, and inter-college events such as cryptic hunts and code runs.
- Won numerous **national hackathons** including Cepheus - IIT Goa, HackCBS - SSCBS Delhi and Major League Hacking (MLH).
- **NSUT Top 5% Merit Scholarship** holder for 2021 and 2022.