Pranav Raj

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Portfolio: https://pranav-portfolio-bc550.web.app/

EDUCATION

- **Vellore Institute of Technology** Chennai, TN
  B.Tech, Computer Science and Engineering ; GPA: 8.94 *Jul 2019 - Jul 2023*
  Courses: Operating Systems, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Probability and Statistics and Network Security.

- **BR DAV Public School** Begusarai, Bihar
  High School (PCM) ; Percentage: 94.4 *2017 - 2019*

EXPERIENCE

- **Wizphys AI Pvt Ltd** Pune, India
  Application Developer *August 2023 - Current*
  - : Took charge of the **end-to-end development** of a Physio mobile application, from **conceptualization** to **deployment**, ensuring a seamless user experience.
  - : Developed **RESTful APIs** using **AWS Lambda** to facilitate efficient interaction with **SQL databases on Amazon RDS**, optimizing data retrieval and system performance.
  - : Led the migration from a **NoSQL database to a SQL-based system**, ensuring data integrity and optimized performance.
  - : Implemented automated **notification services** via **WhatsApp** and **email**, utilizing cron jobs for automated messaging and integrating a **WhatsApp chatbot** for appointment booking.
  - : Successfully integrated **Sobot's API for WhatsApp** and **Google Email Services** to create a robust **notification** system that enhanced communication efficiency.
  - : Designed and developed a tailored **CRM solution**, addressing specific business needs while ensuring scalability and modularity for future growth.
  - : Worked on multiple projects simultaneously, maintaining a **fast-paced workflow** and consistently **delivering tasks ahead of deadlines**.
  - **Technologies**: Java, Golang, Linux, React, Node.js, Express.js, Firebase, JavaScript, AWS Lambda, S3, RDS, IAM

- **ITILITE** Bangalore, Karnataka
  Software Developer Intern *Sept 2022 - July2023*
  - : Developed and integrated a **meal selection feature** for flights, allowing passengers to customize their dining experience, which enhanced user satisfaction and increased engagement during the booking process.
  - : Implemented a **pay-at-hotel feature** for post-paid hotel bookings, providing users with flexible payment options and improving the overall customer experience by simplifying the checkout process.
  - : Developed and implemented a feature to manage **international flight cancellation details**, enhancing real-time data accuracy and customer communication.
  - **Technologies** : React, NodeJs, Linux, Docker, SQL, Postman, Python, Django, AWS, Redis

ACADEMIC PROJECTS

- **Social Media Platform Using MERN stack**: **Developed** a highly interactive **social media platform** using the **MERN stack**, featuring user **profile creation**, friending/unfriending, post sharing with captions, and engagement through **likes** and **comments**. Implemented **dark and light mode** functionality. Overcame challenges in optimizing **real-time data handling** and ensuring seamless user interactions across various devices.
- **Ride-hailing App**: **Developed** a cross-platform **ride-hailing app** using **React Native**, integrated **Google Maps API** for location tracking, and implemented secure authentication with **Clerk**. Utilized **Neon (PostgreSQL)** for efficient backend data handling and real-time ride updates.
- **Shortest Path Detector (Data Structure)**: **Created** a data structure and algorithm project that visually represents all the **shortest path algorithms** and demonstrates their working. Implemented using **Dijkstra's algorithm** and **A* algorithm** for finding the shortest path between the start and end nodes of a graph. Faced challenges in optimizing **algorithm efficiency** for large graphs and ensuring smooth **real-time visualization**, which were overcome by implementing **performance optimization techniques**. Tech Stack: React.js, JavaScript.
- **Movie Streaming Platform** : **Developed** an exact replica of the **Netflix home page** using **React.js**, focusing on user interface design and responsiveness for an engaging user experience.

SKILLS SUMMARY

- **Languages**: Java, Golang, C++, Python, C, SQL, Unix scripting, JavaScipt, SQL, PHP, HTML/CSS, Solidity
- **Frameworks**: Django, Flash, JQuery, React
- **Tools**: Git on GitLab/ Github, Docker, JIRA, Matlab, Jenkins, Visual Studio, AWS Services, Cloud Databases