**DIP PATEL**

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**Objective:**

Highly skilled Full Stack Engineer with over 1 year of experience in developing and releasing reliable software systems at scale. Proficient in both front-end and back-end technologies, with a strong background in cloud-based platforms, agile methodologies, and Splunk proficiency. Adept at system design, production support, and risk management. Proven ability to collaborate with cross-functional teams to deliver innovative solutions.

**Professional Experience:**

**Software Engineer Fellow, Headstarter AI | July 2024 - Present**

* ﻿﻿Built 5+ Al apps and APIs using Next.JS, OpenAI, Pinecone, Stripe API.
* Developed projects from design to deployment leading 1+ engineering fellows using MVC design patterns.
* Coached by Amazon, Bloomberg and Capital One engineers on Agile, CI/CD, Git and microservice patterns.

**Student Intern | Department of Transportation, California | February 2024 - Present**

* Collected and sorted traffic collision reports (TCRs), ensuring accurate data entry into the centralized database.
* Assisted in the geospatial coding of highway collision locations using GIS software, enhancing data precision and mapping.
* Utilized Microsoft Excel for data organization and analysis, demonstrating proficiency in spreadsheet management.

**Full Stack Developer Intern | BayDevelops | December 2023 - January 2024**

* Developed responsive login and registration pages using React.js for the front end.
* Built and maintained backend services with Node.js and Express.
* Implemented CRUD operations with PostgreSQL for data validation and user registration.
* Ensured seamless front-end and back-end integration, performing thorough testing and debugging.
* Used Jira for project management and adhered to Agile methodologies.

**IT Assistant | California State University, Sacramento | June 2021 – December 2023**

* Streamlined classroom IT operations, reducing assistance wait time by 15% through effective troubleshooting of software and hardware issues.
* Constructed A/V technology setups for classrooms and managed service requests and incidents via ServiceNow.
* Trained and supervised student assistants, improving team efficiency by 25%.
* Created detailed reports and visualizations using Excel and PowerPoint, providing insights to enhance operational efficiency.

**Projects:**

**Movie Database Management System (Console-Based) | Personal Project**

* Developed a console-based Movie Database Management System in Java for creating, searching, and managing entries.
* Utilized Java File I/O for efficient data storage and retrieval.
* Applied data analysis to track usage patterns and trends.
* Ensured system robustness with Object-Oriented Programming (OOP) and thorough testing.
* Demonstrated proficiency in domain-driven design and test-driven development practices.

**Education:**

**California State University, Sacramento** Deans Honors List.

Bachelor of Science: Computer Science. | GPA: 3.643 **December 2024**

**Skills:**

**Languages:** Python, SQL, Java, JavaScript, React

**Frameworks/Libraries:** Java Spring Boot**,** Pandas, NumPy, Matplotlib, Seaborn

**Tools:** Splunk, Power BI, VS Code, GitHub, Tableau, Postman, Microsoft suites

**Project & Service Management:** Jira, ServiceNow

**Leadership and Extracurricular Activities:**

**Candidate for Director of Engineering and Computer Science | Student Government**

* Campaigned for the position, demonstrating leadership ambitions and active campus involvement; narrowly missed election.

**Board Member | Sanskruti Indian Cultural Club**

* Contributed to fostering a sense of community and cultural connection among students.