

# DIP PATEL

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## Objective:

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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:

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

- Built 5+ AI 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:

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### 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:

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California State University, Sacramento  
Bachelor of Science: Computer Science. | GPA: 3.643

Deans Honors List.  
December 2024

## Skills:

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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:

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### 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.