NIMAL PADMANABHAN

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EDUCATION

Bachelor of Science in Computer Engineering, Purdue University, West Lafayette, IN   May 2023

SKILLS

Languages	Java, Python, C, JavaScript, HTML/CSS, SQL
Frameworks	React.js, Node.js, Spring Boot, Google Maps API, Flask
Technologies	Git, Google Firebase, Oracle SQL Developer, Docker, SQLite, SQLAlchemy, MongoDB

EXPERIENCE

Technology Intern (Software Engineering)   Jun 2022 - Aug 2022
Wells Fargo   *San Francisco, CA*

- Prototyped a solution for rewriting the Statements & Notices application by using an API gateway service from existing HTTP client code to RESTful API calls, reducing operations by 50%
- Converted text-based statements through the MARS (massive archival and retrieval system) platform to PDF documents using Java and Spring Boot
- Revamped UI/UX of the CEO (Commercial Electronic Office) website using React.js

Software Engineering Tools Teaching Assistant   Aug 2022 - present
Purdue University   *West Lafayette, IN*

- Helped students with concepts such as scripting, front-end and back-end development, version control, software testing, and cloud computing
- Held office hours to assist students with prelab questions
- Hosted code reviews to encourage strong programming practices and promote industry standards
- Doubled class enrollment after the Fall 2022 semester through advertising and mentoring future students

PROJECTS

Pokedex Encyclopedia Viewer: Created a Pokedex viewer that pulls from the Poke API using React.js and renders each Pokemon with its image, name, weight, height, and XP (Try it here)

Pacers Sports Trivia App: Devised a React.js web app with 3 other developers that quizzed spectators with some Pacers trivia and used the Challonge API to form brackets against the fans, which resulted in winning an award at a hackathon. (Watch our demo here)

Paramedic Health Dashboard: Helped build a realtime dashboard in Python and Dash and a daily survey in React.js that monitors the health of low-income, at-risk patients in the Bronx, NY metro area in collaboration with the Purdue Nursing Department and the Purdue Weldon School of Biomedical Engineering

Rogue Dungeon Crawler: Built an 80s-style arcade dungeon crawler GUI in Java, consisting of various grids, spells, and characters

AWARDS & HONORS

Semester Honors	*Dec 2022, Purdue University*
Winner of 2022 IISE DAIS Mobile App Competition	*May 2022, Institute of Industrial & Systems Engineers*
Best Use of Challonge Technology	*Oct 2021, AT&T 5G Hackathon*
Eli Shay Electrical Engineering Scholarship	*Jun 2021, Purdue University*