

NIMAL PADMANABHAN

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EDUCATION

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

May 2023

EXPERIENCE

Software Engineer

Wells Fargo

Jul 2023 - present

San Francisco, CA

- Successfully migrated data access UI from jQuery to Angular in response to a critical BlackDuck scan issue, resulting in a 40% reduction in page load times and a 50% increase in user satisfaction
- Ensured data integrity through conformance, standardization, and curation policies, reducing errors by 30%
- Accelerated data retrieval with Python and Spark clusters, cutting query time by 60% for real-time analytics

Software Engineer Intern

Wells Fargo

Jun 2022 - Aug 2022

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
- Enhanced the user experience of the CEO (Commercial Electronic Office) website using React.js

PROJECTS

College Recommendation Web App: A senior design project that consists of a full-stack web app written in React.js and Python which recommends colleges to prospective students based on their academic and personal interests using cosine similarity. In addition to a website, we also created a Docker container to be deployed on multiple environments.

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.

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

SKILLS

Languages Java, Python, C, JavaScript, HTML/CSS, SQL

Frameworks Angular, React, Node, Spring Boot, Flask, PySpark

Technologies Git, Google Cloud Platform, Docker, SQLite, SQLAlchemy, Oracle SQL Developer, MongoDB

CERTIFICATIONS

Google Cloud Associate Cloud Engineer

Oct 2023

AWARDS & HONORS

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