

NIMAL PADMANABHAN

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EDUCATION

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| Master of Science in Computer Science , Georgia Institute of Technology, <i>Atlanta, GA</i> | Dec 2027 |
| Bachelor of Science in Computer Engineering , Purdue University, <i>West Lafayette, IN</i> | May 2023 |

SKILLS

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| Languages | Java, Python, C/C++, C#, JavaScript, HTML/CSS, SQL |
| Frameworks | Angular, React, Node, .NET, Spring Boot, Flask, PySpark |
| Technologies | Git, Google Cloud Platform, Docker, SQLite, SQLAlchemy, Oracle SQL Developer, MongoDB |

EXPERIENCE

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| Software Engineer | Jul 2023 - present |
| Wells Fargo | <i>San Francisco, CA</i> |

- Coordinated the development and maintenance efforts for a critical MVC Angular/.NET web application serving as a centralized data repository
- Leveraged Angular, .NET, and Oracle technologies to architect a robust and scalable solution for storing and managing large volumes of data, including the development of optimized stored procedures to support the web app's data layer
- Implemented enhancements, resulting in a 30% improvement in user experience and a 25% reduction in page load times
- Ensured data integrity and security, achieving a 99.9% accuracy rate and maintaining compliance with industry standards
- Collaborated effectively with cross-functional teams, resulting in an 80% increase in project delivery efficiency

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|---------------------------------|--------------------------|
| Software Engineer Intern | Jun 2022 - Aug 2022 |
| Wells Fargo | <i>San Francisco, CA</i> |

- 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.

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

CERTIFICATIONS

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| Google Cloud Professional Cloud Architect | February 2024 |
| Google Cloud Associate Cloud Engineer | October 2023 |