

# PRASHEEL NANDWANA

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## Education

### Arizona State University

August 2023 - May 2025

Master of Science in Software Engineering (GPA: 4/4)

Tempe, United States

*Relevant Courses: Advanced Data Structures & Algorithms, Programming paradigms, Software Validation and Testing, Mobile Systems*

### PES University

July 2016 - August 2020

Bachelor of Engineering in Electronics and Communication Engineering

Bangalore, India

## Technical Skills

**Languages:** Java, C++, JavaScript, Python, SQL, HTML/CSS, COBOL, TypeScript, Bash

**Databases:** Oracle, MySQL, SQL Server, PostGreSQL, OrientDB, MongoDB

**Libraries/ Frameworks:** J2EE, Spring Boot, Angular, ReactJS, Bootstrap, Tensorflow, JUnit

**Tools/Applications:** Docker, Git, SVN, Jenkins, VS Code, Android Studio, Vim, AWS EC2, Postman, Unity

## Professional Experience

### Netmeds (Reliance Retail)

December 2021 - July 2023

Full Stack Software Engineer

Chennai, India

- Implemented a scalable **microservices** architecture using advanced **OOP Paradigms**, **Java-Spring Boot**, and **Angular** features to efficiently manage over 100k orders per day.
- Developed robust **RESTful APIs** for **CRUD** operations, with rigorous unit testing with **JUnit 5** to ensure system reliability.
- Designed adaptable architectures for critical components using optimal **design patterns** impacting 100k+ customers.
- Incorporated a **BDD pipeline** leveraging **Cucumber** and **Java**, reducing manual effort by 99.46%, slashing time from 16 hours to 6 minutes.
- Enhanced **system security** by effectively managing and addressing security reports, successfully resolving a total of 19 individual security bugs.
- Led and mentored a team of 3 to write automated test cases, showcasing leadership and management skills.

### Synechron (fka Attra Infotech)

October 2020 - December 2021

Software Engineer

Bangalore, India

- Led the successful **migration** of a Legacy system to Java, showcasing expertise in navigating intricate processes and seamlessly transitioning between **Cobol** and **Java**.
- Crafted an intuitive web application for streamlined payroll processing, employing **Angular** and **Node.js** technologies to benefit 1000+ employees.
- Implemented a robust **CI/CD pipeline** to automate deployment processes using **Jenkins** on the **Azure cloud** platform.
- Well-versed with **agile** methodology, version control systems, customer interaction and troubleshooting.

### Upskope

January 2020 - February 2020

Project Intern

Bangalore, India

- Orchestrated a **Sentiment Analysis** web application, demonstrating expertise in evaluating feedback based on nuanced language using **NodeJS**, **React**, and **GraphQL**

## Relevant Projects

### Effort Logger

August 2023 - November 2023

- Led a team of 3 in creating a scalable effort logging system, enhancing statistical effort estimation for cost reduction.
- Implemented **Java** and **JavaFX** frameworks for authentication, registration, **encryption** and **decryption** of sensitive data, while designing a user-friendly interface for seamless navigation and interaction.

### Visa Slot Finder

June 2023 - July 2023

- Created a monitoring script in Java and **Bash** to check checkvisaslots.com at a 1-minute polling rate, generating an alert upon detecting preferred visa slot availability.

### Personal Web Portfolio

November 2021 - January 2022

- Developed and deployed a personal web portfolio utilizing Angular, **TypeScript**, and **AWS**, integrated with Formspreet and custom loader.

## Leadership / Extracurricular

- Published and co-authored a paper on "Software Defect Prediction using Edge Clustering Module" in International Conference on Inventive Research in Computing Applications (ISBN: 978-1-6654-9708-4)
- Led a team of 4 that Placed Top 10 at The Kludge, where we designed and implemented a working model of Path-detecting robot.