

Nidhi Kumar

nidhikr1401@gmail.com | +1(425)215-5406 | Seattle, WA, USA | [www.Linkedin.com/in/nidhikumar1401/](https://www.linkedin.com/in/nidhikumar1401/) | <https://github.com/nidhikumar/>

EDUCATION

University of Washington, WA, USA

Master of Science in Computer Science & Software Engineering

GPA: 3.98/4.0

Jun 2025

Kalinga Institute of Industrial Technology, OD, India

Bachelor of Technology in Computer Science & Communication Engineering

GPA: 3.9/4.0

Aug 2021

SOFTWARE ENGINEERING AND TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, Typescript, C/C++ | **Databases:** Oracle DB, MongoDB, MySQL

Tools & Framework: SpringBoot, ReactJS, StencilJS, NodeJS, Microservices, UiPath, RPA, ML, NLP, AWS, Boomi, Android Studio

Other: Bitbucket, Confluence, GitHub, Git, Linux, Docker, OpenAPI, Anaconda

SOFTWARE ENGINEERING AND PROFESSIONAL EXPERIENCE

Software Developer, Texas Instruments, Bangalore, India

Aug 2021-Aug 2023

SpringBoot, ReactJS, Oracle DB, UiPath, Xceptor, API, OpenText, Apigee, Hybris, SAP, StencilJS

- Developed applications/web pages on ti.com using SpringBoot and StencilJS which improved customer usability and increased sales significantly.
- Automated critical business processes involving UI interaction and document processing using RPA tools, reducing onboarding from 2 weeks to 2 hours and saving manual employee processing time by 90%.
- Developed streamlined and compliant processes to store and secure government documentation.
- Built Rest APIs to facilitate placing and tracking orders, generating invoices, and inventory management.
- Received Rising Star, Global Recognition, and Team of the Quarter awards.

Software Developer Intern, Texas Instruments, Bangalore, India

Feb 2021-Jul 2021

SpringBoot, ReactJS, Oracle DB, Oracle HCM, Spotfire

- Developed a dashboard using SpringBoot and ReactJS for ERP system used by 1000+ employees to track real-time inventory, facilitating increasing speed and efficiency by 60% for order distribution by Product Distribution Centre team.
- Developed an analytical dashboard to notify the user about job status in Oracle HCM.

Software Development Intern, Quinbay, Bangalore, India

Jul 2020-Jan 2021

AWS, Google OCR, AngularJS, NLP, Flask API

- Developed transcribing algorithms using AWS and Flask API which transcribed audio and video files to text using AWS Transcribe.
- Designed an application to process image text extraction using object detection algorithms using Google Vision OCR and was tested by users in real-time applications.
- Created and developed an application to extract phrases and keywords using Natural Language Processing (NLP), facilitating data extraction from financial records.

Summer Intern, High Radius, Bhubaneswar, India

Apr 2020-Jun 2020

ReactJS, Java, MySQL, Dialog Flow, Machine Learning

- Built website using React JS which tracked payment process for Accounts Receivable B2B system framework with an interactive chatbot built using Dialog Flow.
- Utilized machine learning models to facilitate data analysis.

SOFTWARE ENGINEERING AND TECHNICAL PROJECTS

Content-Based Image Retrieval with Relevance Feedback, Graduate project

Oct 2023

Designed a multifaceted content-based image retrieval system with dynamic sorting options, including intensity, color-coding, and a blend of both. Implemented a robust relevance feedback mechanism, enabling users to refine results and enhance precision through iterative selection of similar images.

Budget Manager, Undergraduate Thesis Project

Dec 2020

Designed and implemented an Android mobile application using Java to sort expenditures into categories, image capture receipts, and keep records of expenses and split by users.

Malarial Cell Detection, Undergraduate Project

Jun 2020

Designed and implemented a malarial cell detection model utilizing advanced image processing techniques. The model effectively distinguishes cells infected with malaria, showcasing a significant advancement in disease detection technology.

COMMUNITY INVOLVEMENT

- Led the **Girls Who Code** campus chapter, mentoring women in STEM to break barriers and excel, fostering a mission to close the gender gap in technology. Empowered girls to impact their community positively through engaging coding tutorials, interactive activities, and exposure to inspiring role models, reshaping perceptions of programmers.
- **Back-To-School**, Texas Instruments - Help underprivileged students in remote villages get access to schoolbooks, bags, and other needed education supplies, gave few Mathematics classes on weekends.