

Nidhi Kumar

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EDUCATION

University of Washington, WA, USA		
Master of Science in Computer Science	GPA: 3.95/4.0	Mar 2025
Kalinga Institute of Industrial Technology, OD, India		
Bachelor of Technology in Computer Science	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, Relational Database, DynamoDB, Redis, NoSQL
Tools & Framework: SpringBoot, ReactJS, Redux, StencilJS, NodeJS, Microservices, RPA, Machine Learning, NLP, AWS, Boomi, Android Development, Flutter
Other: Bitbucket, GitHub, Git, Linux, Docker, OpenAPI, Anaconda, Front End, Back End, REST API, Tensorflow, Hadoop, Web Application Development, SDLC
Soft Skills: Collaboration, Team Work, Communication, Time Management

PROFESSIONAL EXPERIENCE

Software Development Intern, Amazon, Seattle, USA Jun 2024-Aug 2024

Java, Microservices, API, ReactJS, DynamoDB, AWS

- Conceptualized and implemented an interactive poll feature, enabling Amazon sellers to create engaging polls and gather valuable customer insights. Used Java for building microservices and APIs, ReactJS for frontend, DynamoDB for storing data and multiple AWS features.
- Enhanced sellers' ability to make data-driven decisions by providing direct feedback on market trends and consumer preferences. Increased seller engagement by 45%.
- Significantly increased customer engagement and interaction, fostering a more community-driven marketplace and improving seller strategies.

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, StencilJS which improved customer usability & 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. Saved manual efforts of reading and extracting data by 75%.

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

MeTILDA (Melodic Transcription in Language Documentation & Application), Graduate Capstone project Jul 2024

Developed and enhanced the MeTILDA platform, a tool for creating visual pitch guides and analyzing linguistic rhythm and melody, supporting language documentation and pronunciation for researchers, teachers, and students. Used Flask and ReactJS to develop this.

Blood-Bank iOS App, Graduate project Jan 2024

Developed an iOS blood bank app using Flutter that notifies users within a vicinity of blood donation needs and allows individuals to request blood, enhancing community response and support for blood donations.

Content-Based Image Retrieval with Relevance Feedback, Graduate project Oct 2023

Designed a dynamic content-based image retrieval system with sorting options by intensity and color, incorporating a relevance feedback mechanism to refine results and enhance precision.

Budget Manager, Undergraduate Thesis Project Dec 2020

Developed an Android app in Java to categorize expenditures, capture receipt images, and track and split expenses by user.

COMMUNITY INVOLVEMENT

- Society of Women Engineers (SWE) Conference, Chicago** – October 2024 Awarded a scholarship to represent UW, enhancing my network and commitment to diversity in tech.
- Led the **Girls Who Code** campus chapter, mentoring women in STEM to break barriers and excel. Empowered girls with coding tutorials, interactive activities, and role models to positively impact their community and reshape 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.