

NIRUPAMA KS

+91 9353097285 nirupamaks99@gmail.com www.linkedin.com/in/nirupamaks99 https://github.com/NirupamaKS

SUMMARY

Detail-oriented Information Science engineering student with proven experience in developing AI-powered applications and scalable full-stack solutions. Skilled in Python, Java, JavaScript, and data visualization tools like Power BI. Adept at transforming innovative ideas into working products using clean, modular code. Strong foundation in data structures, algorithms, and cross-functional collaboration.

WORK EXPERIENCE

Associate Software Engineer - Trainee (Intern)

Mercor | Jan 2025 – Present

- Developed and enhanced full-stack web features using React.js and Node.js for AI-driven hiring tools.
- Collaborated with the backend and design teams to align UI/UX with business goals.
- Applied Python for automating internal processes and data extraction workflows.

Data Visualization Specialist

Tata Group | Dec 2024

- Completed a program in basic data visualization techniques.
- Developed interactive dashboards and reports using Power BI.
- Executed projects focused on delivering data-driven insights to support business decisions.

Web Development Intern

WebStack Academy | Jul 2024 – Sep 2024

- Built user-centric web applications with secure login, CRUD operations, and role-based access.
- Improved interface responsiveness and accessibility, reducing page load time by 30%.
- Implemented design systems for consistency across screens and devices.

PROJECTS

Cognitive Taxonomy Analyzer

- Engineered an NLP-based tool to classify educational questions based on Bloom's Taxonomy.
- Enabled educators to deliver targeted learning experiences, enhancing content engagement.

Drug Interaction Detector

- Developed a machine learning model to detect adverse drug interactions from textual inputs.
- Achieved a 40% improvement in predicting risky combinations, aiding clinical decisions.

Vastra-Dharpana (Saree Classifier)

- Designed a web app using image classification models to detect saree material types (cotton, silk, jari).
- Reached over 90% accuracy in model predictions, boosting user trust in online purchases.

E-Market Farm Management System

- Built a marketplace platform connecting farmers to consumers, removing third-party middlemen.
- Helped farmers increase profits by 25% while giving consumers access to fresh, local produce.

EDUCATION

B.E in Information Science & Engineering

Dayananda Sagar College of Engineering, Bengaluru | 2022 – Present

Diploma In Computer Science and Engineering

Acharya Polytechnic | 2019 – 2021

Secondary School Leaving Certificate

Prajwal High School | 2015 – 2019

TECHNICAL SKILLS

- **Languages:** Python, C, C++, JavaScript, Java, HTML, CSS
 - **Frameworks/Libraries:** React.js, Flask, Pandas, NumPy
 - **Tools:** GitHub, Power BI, Figma, Canva
 - **Core Concepts:** Data Structures, Algorithms, OOP, CRUD, Agile Development
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EXTRACURRICULR/CERTIFICATIONS

- Career Essentials in Data Analysis by Microsoft and LinkedIn [view credentials](#)
- Career Essentials in GitHub Professional Certificate [view credentials](#)
- NPTEL- Introduction to Industry 4.0 and Industrial Internet of Things [view credentials](#)
- NPTEL- Programming in Java [view credentials](#)
- NPTEL- Cloud Computing [view credentials](#)
- AWS Cloud Practitioner Essentials [view credentials](#)
- AWS Database Offerings [view credentials](#)