Ishika Bhaumik

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EDUCATION

Master of Science in Computer Science — 09/2024 – 06/2026
University of California, Davis — Davis

Bachelor of Technology in Computer Science and Systems Engineering — 05/2018 – 05/2022
Kalinga Institute of Industrial Technology, India — Bhubaneswar

WORK EXPERIENCE

Associate Software Developer — 08/2022 – 08/2024
Novartis — Hyderabad, India
- Developed and maintained **data dashboarding** and **KPI monitoring** websites using **React.js** and **Java**, reducing manual work by **80%** through process automation and **ML models**.
- Supported a user base of **4000+** daily users, ensuring high performance, reliability, and seamless user experiences.
- Collaborated with cross-functional teams to implement solutions that improved **data visualization** and accessibility for stakeholders, aligning development with business goals.

Analyst Intern — 01/2022 – 06/2022
Novartis — Hyderabad, India
- Utilized **data science techniques** and **python** to analyze **pharmaceutical quality datasets** to enable data-driven insights for shelf life optimization of medicines.
- By identifying key factors influencing degradation rates, successfully **reduced the shelf life from 2 years to 1.5 years**, resulting in more efficient production cycles and reduced waste.

SDE Intern — 06/2021 – 12/2021
Highradius Technologies — Hyderabad, India
- Developed interactive React dashboards for Accounts Receivable insights and optimized query performance by migrating SQL to Snowflake, reducing API response time by **90%.**
- Automated UI testing with **Java** and **Selenium** significantly cutting down manual testing efforts.

PROJECTS

Python Based Chatbot and Personal Assistant ⧉
- Utilized **Python** and **NLP** to train on text data, enabling extraction of information from websites and performing various other advanced functionalities. Proficient in both typed and speech command comprehension.

Driver Drowsiness Detection ⧉
- A **python and open-CV** based project to detect drowsiness of a driver from video footage.

Plant disease detection using image dataset
- Python,Deep learning

Skin Cancer detection using Skin lesion image dataset
- Developed a **python** code for a **CNN** model on Kaggle to detect skin cancer on skin lesion image dataset

SKILLS

Technical Skills
- Languages- Python, C/C++, Java, JavaScript
- Database- SQL, Snowflake
- Web development- React.js, HTML, CSS, OOP
- Tools- Eclipse, Visual Studio, Jupyter Notebook, Git
- Model Development- Data manipulation and visualization, Machine Learning, Deep Learning, NLP