

SHUBHANG KOHIRKAR

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Available from Jan 2024

EDUCATION

Northeastern University, Boston, MA

Expected December 2024

Khoury College of Computer Science

Master's of Science in Computer Science

GPA: 4.0

Related Courses: Programming Design Paradigms, Algorithms, Web Development, Foundation of Software Engineering.

Jawaharlal Nehru Technological University, Telangana, India

September 2020

Bachelor's of Technology in Computer Science and Engineering,

GPA: 8.2

Related Courses: Database Management Systems, Operating Systems, Computer Organization,
Digital Logic & Design, Formal Languages & Automata Theory, Machine Learning.

TECHNICAL SKILLS

Programming Languages: Java, C, C++, Python, CUDA, HTML, CSS.
Database: MySQL, MongoDB, Girder, Firebase.
Frameworks & Cloud Services: Flask, JavaScript, ReactJS, React Native, Swift, Django, Apache2, RabbitMQ, AWS.
GUI: PyQt5, JavaFX, Swing.
Libraries: TensorFlow, Seaborn, PyTorch, NumPy, Pandas, Scikit Learn, NLP, OpenCV.
DevOps: Git, Docker.

EXPERIENCE

Ferns N Petals, Delhi, India

February 2022 - December 2022

Software Engineer - Full Stack & AI

- Created Auto-Tagging-Training Tool to categorize products using ML and NLP, aiding in user recommendations. Implemented SVM + OneVsRest and a Django web app with MongoDB for business users.
- Trained 3 new Full-Time Developers on Django(python) and Data Science to maintain the Project.

Teleparadigm Networks, Telangana, India

August 2020 - February 2022

Software Engineer

- Constructed CAD, an AI-powered clinical diagnostics tool for cancer detection, starting with breast cancer. Awarded INR 5 million by BIRAC and achieved 97% accuracy in predicting cancer in Indian tissues.
- Led a 10-person intern team in optimizing efficiency by converting legacy C code to CUDA, resulting in a 42% reduction in computing load.
- Implemented a drone-based student attendance monitoring system (used by 300+ faculty) using object detection (YoloV4) and created a bus tracking system for a university, leveraging Google Map API and ReactJS.

PROJECTS

Task Prioritization

August 2023

- Spearheaded user-friendly app development, driving a 30% boost in user efficiency. Enabled seamless task input, push notifications, and timely reminders, leading to a 25% reduction in task delays and enhanced productivity.
- Implemented binary search for swift task searches, achieving a 40% time-saving advantage. Embraced by 500+ users, earning a 4.8/5 satisfaction rating, affirming its positive impact on task management.

Image Manipulator & Enhancer Application

March 2023

- Crafted a user-friendly image manipulation application with an intuitive interface, powered by the Swing framework. Empowers users to effortlessly resize, crop, and enhance images, delivering a seamless and engaging experience.
- Garnered praise from over 300 users for its intuitive interface, resulting in a 30% increase in user satisfaction and a 20% reduction in time spent on image editing tasks.

Attendance Application

July 2021

- Developed a web application for my school to mark students' attendance, leveraging Flask framework, resulting in a 20% reduction in administrative time.
- Hosted the application on an EC2 system using Amazon Web Services (AWS), ensuring 99.9% uptime and seamless accessibility for 1000+ students and staff.