Mrigank Khandelwal

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Available: May- Dec 2024

EDUCATION

Northeastern University, Boston, MA   Sept. 2023 – Present
Khoury College of Computer Sciences   Expected graduation: May 2025
Candidate for a Master of Science in Computer Science   GPA: 4.0/4.0
Related courses: Programming Design Paradigm, Algorithms, Mobile App Development

Ramaiah Institute of Technology, Bengaluru, India   July 2023
Bachelor of Engineering in Computer Science & Engineering   GPA: 8.98/10.0
Related courses: Algorithms, Data Structures, Databases, Software Engineering, Object Oriented Programming

TECHNICAL KNOWLEDGE

Languages:	C++, Python, JavaScript, Java
Technologies:	HTML, CSS, React, REST APIs, Node.js, SQL.
Skills:	Database Systems, Backend Development, Machine Learning, Algorithms, Full Stack Development, Web Development

WORK EXPERIENCE

Sabre Corporation, Bengaluru, India   Jan 2023 – July2023
 Software Development Engineer Intern

- Programmed product features, bug fixes and security enhancements in C# and OracleDB on the Radixx Res product in the Radixx vertical.
- Designed and developed a dashboard in React, Express, NodeJS, JavaScript and OracleDB to provide enhanced accessibility to sales data aimed at reducing and resolving sales disputes.
- Awarded 2nd place in Intern Hackathon organized by the company.

Dell Technologies, Bengaluru, India   Apr 2022 – June 2022
Undergraduate Intern

- Developed a system using Python leveraging Bayesian ARM model to detect and flag combinations of parts that may cause a high product failure rate.

Samsung PRISM, Bengaluru, India   Oct 2021 – Apr 2022
Research Intern

- Developed an RNN model in Python using TensorFlow as a part of the project 'On Device Handwritten Text Generation' aiming to generate handwritten text.
- Contributed to creating a tool to extend the benchmark IAM dataset by 40%.

PROJECTS

GRIME: Graphical Image Manipulation and Enhancement Application   Oct 2023 – Dec 2023

- Developed and tested a desktop Image Processing Application using Java with a text-based UI that accepts commands and a Graphical User Interface.
- Focused on scalable and modular design and adherence to the MVC architecture. Incorporated design themes such as the Command-Pattern design and Adaptor and Facade Design Patterns.

Descriptive Examination Answer Script Evaluation (Funded)   Feb 2022 – Aug 2022

- Built a tool in Python for Descriptive Answer Evaluation of subjective answers in semester-end examinations.
- Compared various NLP Techniques, including BERT, word embeddings for finding semantic similarity between model answers and student answers.

INTERESTS/ACTIVITIES

- Published technical paper 'Quantum Computing- The next big leap in the World of Computation' in IEEE (ISSN: 2766-2101).
- Core team member at Apple Developers Group, Ramaiah Institute of Technology (Oct 2019 – Oct 2022)