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SUMMARY

Over 2+ years of experience in Development, Coding, Requirement Analysis, Design, Optimization.
Seeking new opportunities within the software industry where I can learn to deal with real-life problems and gain experience.

SKILLS

Java, Python, C, R, Kotlin, Algorithms and Data Structures, MATLAB, Tensor Flow, Keras, C#, Operating systems, Assembly, C++, OOPs, HTML, CSS, Embedded system such as Arduino UNO, JavaScript and its libraries, REST API, Agile Methodology, Git&Github, SQL, AWS, Design patterns, Restful services, Web Services, API, React.js, Node.js. Tools like Visual Studio, Eclipse, PyCharm, R studios, Vim, Visual Block, Git, VMs

HONORS AND AWARDS

- Shore light Scholarship worth $5000 every academic year (2021-2024).
- Paul 'M English'87 Computer Science Scholarship worth $7000 for the 2022-2023 year.
- Northrop Grumman Scholarship worth $3500 for the 2022-2023 year.

Neha Agarwal

LINKEDIN | GITHUB

EXPERIENCE

June 2023 – August 2023
Analyst Intern Deutsche Bank | Cary, NC

- Fixed defects/bugs according to client needs in Rest APIs software (Kotlin).
- Worked on Bash/Shell scripts to run our services better.
- Added security check (username of clients etc.) to better analyze the report on Splunk well.
- Performed testing of Software (Rest API) using both JMeter and Postman.
- Worked on an both Frontend and Backend of a project. Used technologies like google cloud, gRPC, Bootstrap, Web-scraping, ML.

June 2022 - September 2022
Information Technology Intern Mass Brigham Hospital | Boston, MA

- Performed IT related tasks such as reimaging, trouble shooting and helped the employees with their devices in person or remotely.
- Assisted my seniors with creating software to automate tasks such as reimaging several computers from the main office.

September 2021 - December 2021
Supplemental Leader Introduction to Computing in Python, UMB

- Explained several important concepts for the course.
- Helped to explain the project writeups and to debug the errors in the projects.

EDUCATION AND TRAINING

Computer Science major
University of Massachusetts, Boston
May 2024
GPA: 3.6

PROJECTS

- **NBA Team stats 2021-2022 regular season (R):** Analyzed the team's performance and their strategies over the team's win percentage using both descriptive/theoretical statistics.
- **N-queen (Python)** – Implemented the famous n-queen problem using both forward checking and ac3 algorithm.
- **Classification Model (Python)** – Used Keras to train an artificial neural network on the training data and assess its prediction accuracy for future projects using the test data.
- **Sampling (Python)** – Implemented rejection sampling and Gibbs sampling given a Bayesian network.
- **Markovian Candidate (Java)** – Implemented the Markovian chain model to predict who is more likely to have said the provided quote.