Ananya Singh

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I am an information technology professional pursuing a Bachelor's degree focused in Computer Science from New Jersey Institute of Technology. I take great interest in the Cloud and how it transforms our modern world and businesses today. I am very passionate about technology and I hope one day I will help create a technology that will empower people in the world to do more.

WORK EXPERIENCE

Technical Account Mentee (Microsoft Summer Mentorship Program 2018)
Microsoft

05/2018 – 08/2018   *New York City, New York*

Achievements/Tasks

- Shadowed Technical Account Managers to learn about the enterprise-facing side of Microsoft product development.
- Engaged in panels, meetings, and demos relating to Microsoft culture and technologies.
- Interfaced with various professionals in the field to better understand various career paths within Microsoft.
- Aimed to understand the uses and applications of Microsoft technologies in a cloud-first, mobile-first world.
- Learned more about Blockchain, AI/Machine Learning, and Cyber-security through Microsoft Technologies.
- Led a team in Microsoft's internal hackathon where our project was about creating a PowerPoint translator for Sign Language using Microsoft Facial Recognition API and Kinect API along with Microsoft Graph.
- Presented the hackathon project to a panel of executives.

Cloud Engineer Internship
International Flavors and Fragrances (IFF)

05/2017 – 08/2017   *Union Beach, New Jersey*

Achievements/Tasks

- Investigated on-demand capacity fulfillment.
- Created Active Directory Scripts with Powershell.
- Automated Virtual Machines (RedHat, CentOS, etc.) provisioning on Azure and AWS with Ansible.

EDUCATION

New Jersey Institute of Technology
BS in Computer Science with Applied Math minor

09/2016 – Present   *Newark, New Jersey*

Organizations/Clubs

- Sigma Alpha Epsilon
- ACM (Association for Computing Machinery)

Highland Park High School
High School Diploma (Graduated top 20% of class)

09/2012 – 06/2016   *Highland Park, NJ*

Courses

- Varsity Soccer 3 years
- Robotics

SKILLS

Java   Python 2/3   C++   Azure   AWS

DevOps(Ansible, Chef, Puppet)   Linux   Git

HTML/CSS/Bootstrap   JavaScript

Data Structures/Algorithms   SQL

PROJECTS

apsingh.me (HTML/CSS/Bootstrap/JS) (05/2018 – Present)

- Personal Website created using HTML/CSS/Bootstrap and Javascript.

IMDB Movie Ranker Program (Java) (03/2018 – Present)

- Created a program called RankMovies in Java that reads the data from IMDB (Internet Movie DataBase) and responds to queries of the following form.
- The user inputs two integers (m and k) and then list, in decreasing order of rating, the m highest rated movies among those that had at least k reviews.
- Uses Heap and Priority Queues.
- https://github.com/ananyasingh7/IMDBMovieRanker

Lexical Analyzer and Parser (C++) (09/2018 – Present)

- Developed a lexical analyzer as well as a parser for a created language with specified grammar rules.

RELEVANT COURSES

Data Structures and Algorithms (CS114)

Computer Organization (CS252)

Programming Language Concepts (CS280)

Intro Database Systems (CS431)

Principals of Operating Systems (CS332)

Probability and Statistics (MAT333)

Differential Equations (MAT234)

Linear Algebra (MAT337)