

Saurav K. Ghosal

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Education

Georgia Institute of Technology, Honors Student | Atlanta, GA

Expected Graduation May 2022

Bachelor of Science in Computer Science: Intelligence & People threads, GPA 4.0

Holy Trinity Episcopal Academy | Melbourne, FL

August 2012 – May 2018

Awarded STEAM diploma for excellence in Science, Technology, Engineering, Art, and Math classes, GPA 4.86

Skills

Programming Languages: Java (primary), JavaScript, Python, C, C++

Web Technologies: Java Spring, React, HTML, CSS, Python Flask, Protobufs, Node, Express, MongoDB

Relevant Coursework: Data Structures, Algorithms, Objects and Design, Linear Algebra, Object-Oriented Programming

Work Experience

GMTM Sports Internship | Remote

October 2020 - May 2021

Software Developer Intern

- Developed an interactive analytics dashboard using ChartJS to track company KPIs and performance
- Designed and developed customer-facing user analytics dashboard applying agile development methodology
- Addressed server and client-side bugs logged in TrackJS and from observations of user sessions on FullStory

VMware NSBU IDPS Team | Remote

May 2020 – August 2020

Product Development Intern

- Developed a file forensics solution for VMware NSX IDS/IPS
- Extended upon existing IDPS signature-based approach to support file carving capability
- Updated Java Spring REST APIs, added to protobuf, and extended upon C++ codebase
- Filing a patent to further develop project into a context-aware IDPS file forensics solution

Relevant Projects

VMware D&I Hub Web App | 1st place winner at VMware Borathon

August 2020

Full Stack Developer

- Developed a web solution to promote transparency of VMware's progress towards its diversity & inclusion goals
- Built out web app with React frontend and Node/Express backend for user authorization
- Implemented user authentication to secure website and developed user interface to display VMware D&I data
- Presented project in a Tech Talk to an audience of over 40 VMware employees

Boys and Girls Club Digital Bus Check-in System | Bits of Good

January 2020 – May 2020

Front-end Developer

- Developed a web app in NextJS to check students into the Boys and Girls Club of Atlanta
- Built out bus check-in user interface and attendance history screens with filtering and sorting capabilities
- Worked with three other front end developers to create UI with HTML, CSS, and JavaScript

Extracurricular Activities

Bits of Good (BoG) Bootcamper

September 2019 – December 2019

Full Stack Developer

- Took part in bootcamp program to learn fundamentals of full stack development for creating web apps
- Learned the basics of HTML, CSS, React, Node/Express, and MongoDB over 1 semester

Part-Time Paid Tutor at Georgia Tech's Center for Academic Success

August 2019 – May 2020

- Cover topics in Linear Algebra, Object-Oriented Programming, Physics, and Data Structures and Algorithms
- Communicate complex topics through active learning techniques with whiteboard