Ayush Sharma

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PROFESSIONAL EXPERIENCE

Summer Associate: PricewaterhouseCoopers – New York City, NY   **(May 2022 – August 2022)**
- Directed discussions between executives and operations staff of two engagements valued at $6.3MN for the firm by leading joint discussions and performing stakeholder analysis.
- Handled software product migration from AWS to Azure for a Fortune 100 retail and e-commerce client.
- Piloted and implemented an innovative IT architecture reorganization to reduce server maintenance costs by 23% for a Fortune 100 multinational investment banking firm.
- Actively managed engagement progress and financials, issuing new budget proposals, and leveraging strong client relationships to sell over $150K in additional work.

Undergraduate Research Assistant: Georgia Tech Research Institute – Atlanta GA   **(August 2021 – Present)**
- Collaborating with team of undergraduate and graduate students assigned to a Cisco and L3Harris research project building Intelligent Digital Communication devices.
- Developing radio prototype to automatically process and analyze geospatial data from Bobby Dodd Stadium.
- Responsible for efficiently combining and scrubbing through geospatial data from multiple distributed RF sensors across Bobby Dodd Stadium.
- Implemented TensorFlow and Python source code architecture to scrub data by 60% increase in efficiency.

Algorithm Engineer Intern: U.S. Bank – New York City, NY   **(Jan 2021 - August 2021)**
- Lead technical development of an advanced cybersecurity application called the Decentralized Identity Pilot (DID) with Microsoft Azure for U.S. Bank Investment Management Group (IMG) clientele.
- Delivered business case whitepaper to senior U.S. Bank executives showcasing the impact of DID in assisting to secure more than 18.7 million customers data and more than $8.7 billion in assets.
- Deployed AWS Sagemaker model to analyze risk-adjusted returns for IMG clientele portfolios.
- Collaborated with team of interns in prioritizing KPI, creating user stories, writing product documentation to test new functionality, and conducting User Assurance Testing & Quality Assurance for Cross Border.

Software Engineer Intern: Northrop Grumman – Atlanta, GA   **(May 2020 – August 2020)**
- Developed a Microsoft PowerApp for the Centers for Disease Control and Prevention (CDC) Public Health Department which handles automated testing with PowerBI, PowerAutomate and Python.
- Lead a team of 3 interns to design a second PowerApp for the CDC Prevention Research Center to allow users to add research projects for the Department of Non-Infectious Diseases.
- Implemented a REST API and interactive United States Map to automate facts sheets for all 50 US States for the Office of Smoking & Health.
- Contributed on COVID-19 Data Tracker with CDC Data Scientists. Wrote primarily with NumPy and Python.

PROJECTS

KAST Xtra
- Software system designed to assist various entertainment companies with VIP bookings, customers & volunteers' registration, and tracking of ticket sales.
- UI design framework: HTML, CSS, AngularJS, and Bootstrap
- Backend infrastructure framework: MongoDB, Node.JS, and JSON Web Token (JWT)

Stock Market Predictor
- Recurrent Neural Network model to predict long-term or short-term stock gains for investors and traders based off 150 days of previous stock data.
- Written using Python and implemented with Keras Neural Networks,TensorFlow and LSTMs.

EDUCATION

Bachelor's in **Computer Science** at **Georgia Institute of Technology**   **(May 2019 – August 2023)**

Activities: Georgia Tech Soccer Club**,** CEISMC Student Program, Consulting Club, Product Management Club
Related Coursework: Data Structures, Systems Programming and Organization, Algorithms, Statistics and Applications
Software Skills: Java, Python, C++, Azure, AWS, Node.js, Tableau, TensorFlow, PowerBI
Product Skills: Agile, Scrum, CI/CD, Product Design, Stakeholder management
Other Skills: QA Testing, UA Testing, User Research, Data Analysis, Market Analysis