ANSHIKA TYAGI

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EDUCATION

Virginia Tech, Blacksburg, VA   **Expected Dec 2022**
Master of Engineering, Computer Science, GPA: 4/4

G.B. Pant University of Agriculture and Technology, Pantnagar, India   **June 2019**
Bachelor of Technology, Electronics & Communication Engineering, CGPA: 8.123/10 (Honors)

TECHNICAL SKILLS

Programming: Java, HTML, CSS, JavaScript, Python, GoLang, SQL
Frameworks/ Libraries: Django, Bootstrap, D3.js, Node.js, React, JQuery
Tools: Tableau, JUnit, Arduino, Git, Figma, Firebase, Balsamiq Wireframe

EXPERIENCE

Amazon.com, Seattle, Washington   **May 2022-August 2022**
Software Development Engineer-Intern
Developed an Operational Dashboard for the Last Mile Payments Team to track invoices states for internal users and Ops team.
This reduced the debug time to track stuck invoices for people on call and facilitated quicker resolutions.

Center for Geospatial Information Technology, Virginia Tech   **December 2021-Present**
Graduate Research Assistant
Developed a web portal (https://commonwealth-connection.com/) to explore broadband throughout Virginia
Implemented Search Engine Optimization for the portal

Tata Consultancy Services Limited, Gurugram, India   **June 2019-May 2021**
Assistant System Engineer
Planned and built fiber networks along with the quality check of deliverables.
Adopted agile methodology and ensuring process improvement by collaboration. Increased the productivity of the team by 50% by leveraging cloud capabilities
Upskilled in Software Foundations and emerging technologies through TCS Xplore Program

University of Petroleum and Energy Studies, Dehradun, India   **July 2017**
Summer Intern
Built a smart blind stick, using ATmega328P microcontroller with self-locating, location tracking capabilities along with traditional functionalities using RF module, NodeMCU with Google API, and Android Studio

ACADEMIC/RESEARCH PROJECTS

Job Prospects in Data Science   **March - May 2022**
Developed visualizations in D3.js to get better insights of Data Science related jobs in the United States.
Utilized visualization principles such as CRAP to build an effective data story. (link)

WebApp Development   **August-November 2021**
Developed various WebApps following MVC architecture using JavaEE and MySQL and deployed on AWS instance.
Implemented user account creation and file storage; Displayed data from database and search operation from APIs along with CRUD operations.

Smart Geofencing for Attendance Monitoring   **January-June 2019**
Logged entry/exits of a client in a geo-fence using GCP as backend and android application as front-end.
Published in the International Journal of Research and Analytical Reviews (IJRAR) Volume: 06 Issue: 2 | Jun 2019

Line Following, Obstacle Avoiding, Bluetooth Controlled Surveillance Robot   **January-August 2017**
Built a robot to perform pre-defined tasks and have user-control while providing obstacle avoiding and surveillance capabilities using Arduino UNO microcontroller.
Published in the International Research Journal of Engineering and Technology (IRJET) Volume: 05 Issue: 10 |Oct 2018

AWARDS AND ACHIEVEMENTS

- Received 'Star Performer Award' (Oct 2019), 'Best Team Award' (July 2020), and multiple 'Applause Award' at TCS
- Vice-Chancellor's Silver Medal and University Merit Scholarship recipient at G.B. Pant University, Pantnagar
- National Service Scheme 'B' certificate holder for extending 240 hours of social service (2015-17)
- Vice-Chairman of Engineering and Technology Society, Pantnagar (2015-19)