Ankit Tayal

Bachelor of Technology
Industrial Internet of Things
Guru Gobind Singh Indraprastha University EDC New Delhi
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GitHub
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EDUCATION

- **Bachelor of Technology in Industrial Internet of Things** *2021-25*
  University School of Automation and Robotics, Surajmal Vihar, Delhi CGPA: 7.7

- **Intermediate CBSE**
  Lancers Convent School, New Delhi Year: 2021

PERSONAL PROJECTS

- **Grocery Store Management System**

  Hosted at pythonanywhere, developed a Grocery Store Management System project with Python, Django, and CSS.
  - hosted on PythonAnywhere, showcasing skills in web hosting, Microsoft Visual Studio Code, Django, SQLite, SQL and Python.

- **Risk analysis of portfolio**

  Risk Analysis to drive successful portfolio management and optimization strategies.
  - Portfolio Optimization: Developed a model to maximize portfolio return considering covariance matrix and investment constraints, using Python for data analysis and optimization.
  - Risk Analysis Tools: Implemented statistical tools like Mean Absolute Deviation (MAD) and Conditional Value at Risk (CVaR) to measure and analyze investment risks.

- **IoT Agriculture Monitoring System**

  IoT Based Humidity and Temperature Monitoring using Arduino Uno and ESP8266
  - Led the development of an IoT-based humidity and temperature monitoring system utilizing Arduino and ESP8266. Engineered the integration of sensors to measure plant growth, temperature, and soil moisture in real-time.
  - Implemented data transmission to the ThingSpeak cloud platform for comprehensive analysis. Demonstrated expertise in IoT technology, sensor integration, and data analysis.

EXPERIENCE

- **Financial Research Analyst** *Aug 2022 - Dec 2022*

  Assetgro Fintech Pvt. Ltd. (StockGro) Online

  Recruited to this mid-size fintech organization to enhance their customer engagement and live information sections, resulting in increased subscription sales.
  - Analyzed indicators, breakouts in Nifty stocks, and prepared graphical insights, conducted weekly analyses of global markets, financials, news, and statements of Nifty constituents.
  - Skilled in equity research analysis, financial reporting, stock market analysis, Microsoft Excel, corporate finance, and proficient in analyzing indicators and conducting weekly assessments of global markets and Nifty constituents.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS **Libraries** : C++ STL, Python libraries, ReactJs
Web Dev Tools: Nodejs, VScode, Git, Github **Frameworks**: ReactJs
Cloud/Databases: MongoDb, Firebase, Relational Database(mySql)
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.
Areas of Interest: Web Design and Development, Cloud Management
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability, Full Professional proficiency in English, Hindi
Key Skills: Cloud Architecture, Azure AWS GCP, Virtual Networking, DevOps, CI/CD, Linux, Http Servers, Distributed System, Database, JavaScript, Load Balancers, Identities and Governance, Cluster Management, Containers, Manage Storage

POSITIONS OF RESPONSIBILITY

- **Co-Lead in Cloud Computing** Google Developer Student Club - USAR *Aug 2023 - Present*
  - As Domain Co-Lead specializing in cloud computing, I've actively organized events with speakers like JKGunnink, including the successful Google Cloud Study Jam in October.
  - Won Cloud Study Jam event! As a result of achieving Tier 1, all 80 students received goodies, including a Google Cloud certificate, bag, T-shirt, bottle, and stickers.

ACHIEVEMENTS

- **CryptoCon 1st** Merit Certificate - IIT Delhi *2022*
  Achieved 1st place in CryptoCon, a 5-day trading event at IIT Delhi's annual cultural fest, Rendezvous 2022, winning a cash prize and goodies.