

SHREYANS JAIN

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EDUCATION

Birla Institute of Technology & Science Pilani, Goa

Doctor of Philosophy

- **Domain:** Internet of Things, Networks and Systems

Goa, India

Started, 2023

Birla Institute of Technology & Science Pilani, Goa

Master of Engineering, Cumulative GPA: 9.29/10

- **Relevant Coursework:** Network Security, Computer Networks, Data Mining, Operating System, Internet of Things.

Goa, India

Completed, 2022

Amity University, Noida

Bachelor of Technology, Cumulative GPA: 9.15/10

- **Relevant Coursework:** Operating System, Cryptography, Database Management Systems.
- Received scholarship for the entire course from Amity University for excellence in academics.

Noida, India

Completed, 2020

National Academy Day Boarding E.M.S

Class XII

Percentage: 90%

Class X

CGPA: 9.14/10

Alwar, (Raj.)

Completed, 2015

Alwar, (Raj.)

Completed, 2013

SKILLS

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- **Technical Proficiency:** Python, Java, Object-Oriented Programming (OOP), Problem Solving, RESTful WebServices, Pub/Sub, Docker, ReactJS, Kubernetes, Network Security.

EXPERIENCE

QUALCOMM India Pvt. Ltd.

ENGINEER

Hyderabad, India

(July 2022 - Present)

- Working on developing scalable applications that allow owners to protect the confidentiality and accessibility of their resources using ReactJS, Flask, and RabbitMQ.
- Established CI/CD infrastructure for seamless deployment of applications in production environments using Blue-Green Deployment, incorporating alerting mechanisms to notify of production issues, and led the DevOps initiatives for my team.
- Developed a search engine that assists visitors to locate various resources and accessing mechanisms efficiently.
- Implemented the SLSA framework into place to enhance the security, prevent tampering and protect the organization's software and related infrastructure.
- Established the entire testing environment to ensure comprehensive and efficient testing of applications.
- Enhanced security across all applications by implementing security headers in application responses, Federated Identity Management, and protections against SQL injection attacks.

QUALCOMM India Pvt. Ltd.

INTERIM ENGINEERING INTERN

Hyderabad, India

(Jan 2022 - June 2022)

- Worked on developing scalable applications that allow owners to protect the confidentiality and accessibility of their resources.
- Developed endpoints using RESTful API's.
- Troubleshooting software bugs and issues.

Jair Network & Services Pvt. Ltd.

SUMMER INTERN

New Delhi, India

(May 2019 - June 2019)

- Internship in domain of Network Security on Palo Alto NGFW Firewall at Jair Networks & Services Pvt. Ltd.

PROJECTS

SMART PARKING SYSTEM

(Aug 2021 - Dec 2021)

- Designing a smart parking system that will be able to provide real time parking status of parking space on a web application that can be accessed from anywhere and on any device.
- MQTT Protocol used for publishing and subscribing.

CREDIT CARD FRAUD DETECTION

(Aug 2021 - Oct 2021)

- Designed a hybrid credit card fraud detection learning mechanism using unsupervised and supervised methods for effective detection of fraudulent transactions.

FILE ENCRYPTION SYSTEM**(Mar 2021 - June 2021)**

- Designed a Secured File System that can store the data on an untrusted server securely. The file system uses Digital Signature, AES, and RSA algorithms for security.

NEONATAL HEALTH MONITORING SYSTEM**(Aug 2021 - Oct 2021)**

- Designed a monitoring system that can measure the neonatal parameters using DHT11, Pulse Sensor, MCP3008.
- Using the SMTP protocol for sending the information to relevant medical practitioners.

EVENT STUDY**(May 2020 - July 2020)**

- For understanding the impact of variation of Sensex in the stock value of companies using statistical models(Market Model, Mean adjusted Model, Market adjusted Model)

POSITION OF RESPONSIBILITY

Teaching Assistant - BITS Pilani, Goa Campus**(Aug 2021 - Dec 2021)**

Teaching Assistant for Discrete Math for Computer Science (CSF222).

Teaching Assistant - BITS Pilani, Goa Campus**(Jan 2021 - May 2021)**

Teaching Assistant for Database Management System(CSF212).

CONFERENCES AND WORKSHOPS

Birla Institute of Technology & Science Pilani, Goa Campus**Goa, India**

- Author: Shreyans Jain, Nishant Verma, Rashid Ahmed, Aman Tayal, and Hemant Rathore. Credit Card Fraud Detection using K-Means Combined with Supervised Learning in 21st Hybrid Intelligence System (HIS'21), Springer Publishing.

Amity University**Noida, India**

- Part of the organizing committee for CONFLUENCE-2018. The role was to coordinate with the guest speakers and to schedule their paper presentation.
- Completed Course on “Technology Based Entrepreneurship Development Program” conducted by Ministry of Micro, Small & Medium Enterprises.

EXTRA-CURRICULAR ACTIVITIES & HOBBIES

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- Member of IEEE student chapter Amity University, Noida.
 - Secured AIR 164 in Nationwide Education Scholarship Test-Junior 2014.
 - Basic knowledge of French Language.
 - Hobbies: Reading Books, Playing Volleyball.