

# RAHIL SHARMA

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## EDUCATION

**International Institute of Information Technology, Bangalore, Karnataka, IN**

*Executive PG Program in Software Development with Specialization in Full Stack Development* Aug 2022 – Oct 2023

**Coursework:** Object Oriented Programming, Data Structures and Algorithms, User Interface and Front-End Development, Backend Development, Software Deployment, System Analysis and Design

**GPA:** 3.3/4

**Symbiosis Institute of Technology, Symbiosis International University, Pune, Maharashtra, IN**

*Bachelor of Technology (B. Tech), Electronics and Telecommunication Engineering* Aug 2018 – Jun 2022

**Coursework:** Control Systems, Digital Electronics, Artificial Intelligence, Machine Learning, Communication Networks, Data Science, Deep Learning, Computer Architecture, Wireless Communication, Antennas and Wave Propagation

**Percentage:** 74%

**Meridian School, Hyderabad, Telangana, IN**

*Central Board of Secondary Education (CBSE), Class XII (Information Practices)* July 2016 – April 2018

**Percentage:** 75%

**Meridian School, Hyderabad, Telangana, IN**

*Central Board of Secondary Education (CBSE), Class X* Aug 2015 – April 2016

**Percentage:** 95%

## WORK EXPERIENCE

**Precisely – US Based MNC, Mumbai, IN**

*Software Support Engineer I: Data Integration* Dec 2021 – Present 2023

- Specialized in Big Data with a focus on seamless upgrades and personalized user support, enhancing customer experiences on **Public Cloud (Azure, AWS, GCP) and IaaS client support.**
- Familiarity with diverse technologies, including **database management software, Mainframe technology software** (e.g., IBM AS-400, MS-SQL Server, Oracle), and ongoing training to cater to various client needs efficiently.
- Committed to providing exceptional service by maintaining consistent communication, offering timely assistance, and resolving client challenges promptly to ensure satisfaction.
- Actively collaborated with development teams and subject matter experts to better understand and address client needs, fostering seamless client support.
- Received multiple awards, including **Spot Awards, Stellar Performer Award, Round of Applause Award, and Joy Giver Award** during my engagement with Precisely.

**ANR Technologies Private Limited, Mumbai, IN**

*Founder and Head of Engineering* Dec 2021 – Nov 2022

- Developed a user dashboard Mobile App which employs features such as Video Consultation, User Dashboards, Deep Learning Models Multi-Linguistic Chatbots and developed other microservices using REST API services.
- Worked on **MYSQL and DBMS** for maintaining and connecting large sets of data.
- Built **Medical Diagnostic Services** using IBM's Watson services, Deep Learning and DJANGO web framework.
- Played Key roles during prototype development phase and currently leading the company to **secure a reasonable funding from investors.**

**Fornax Private Limited, Mumbai, IN**

*Data Engineer Intern* Jun 2021 – Sep 2021

- Gained hands-on experience with concepts such as **Big Data Analytics and Modern Business Intelligence.**
- Good exposure in infrastructure both from **Desktop and Server Side.**
- Responsible for operations involving **Azure and AWS Data operations and Data migration.**
- Constructed various ELT and ETL data pipelines for **data warehousing and utilization of various cloud technologies.**
- Designed and linked Data Pipelines for **Big Data scalability.**
- Managed mid to small sized projects as a **Team Lead during the internship.**
- Successfully completed **5 Projects in the duration of 2 months** revolving around Cloud Computing using Microsoft Azure Services.
- Was Awarded the **Outstanding Performer Award** in the field of Azure Cloud Computing for my efficient and sincerity towards work throughout the Internship.

**Amanat Foundation, Delhi, IN**

*Front End Developer Intern for an NGO* Oct 2021 – Nov 2021

- Designed and delivered an E-Commerce website for an NGO, enabling the sale of handloom products and custom artwork, contributing to rural women's economic empowerment and employment. Ensured a timely and seamless deployment of the website.

## **TECHNOLOGICAL SKILLS**

**Programming:** JavaScript, NodeJS, Java, Python, MATLAB, SQL, R programming

**Data Science:** Pandas, Confluent Kafka, NumPy, Matplotlib, BeautifulSoup, Seaborn

**Machine Learning Libraries:** SciPy, PyTorch, Theano, Keras, Scikit-Learn, TensorFlow, NLTK, OpenCV

**Cloud Technologies:** Snowflake, Microsoft Azure, AWS Lambda, Databricks, IBM Watson Cloud, Kafka, Google Cloud

**Frameworks and API's:** Material UI, Django, Bootstrap, Stitch, Docker, Avro Schema Registry

**Version Control System (VCS):** Git, GitHub, GitLab, BitBucket

**Methodologies:** Waterfall, Agile

**Functional Skills:** Communication, Organization Management, Research & Exploration, Information Management

Relevant Calculus, Probability and Database Management Knowledge

## **CAPSTONE PROJECTS**

### **Medicus The Smart Care Assistant for Healthcare**

- Developed and build a **predictive chatbot enabled digital assistant**, backed by data, that can help surgeons, patients, and care taker teams throughout the patient journey by automating some of the crucial tasks done manually such as decision making, post-surgery planning, tracking and estimating recovery-time, and takes patients' feedback.
- This was an award-winning project in the **AGBI Hackathon. Organized by the Great Lakes Institute of Management and Sponsored by NITI Aayog (Government of India) and Mehta's Group of Hospitals.**

### **CostCloud: An AI-Enhanced Cloud Resource Analysis and Cost Comparison Framework**

- This project is currently in development, is planned to be built using Python and Java, with the robust Django framework serving as the backbone.
- Tackling a real-world problem corporates face with their cloud spending going over the roof, this project harnesses the power of AI with libraries such as TensorFlow and Scikit-learn, enabling intelligent cloud resource analysis, cost comparison, and recommendation generation for optimal cloud spending. A very strong emphasis will be given to ease of usability and predictive analysis to the user's needs.

### **Applications of Disease Detection using Digital Image Processing Techniques (Publication)**

Advisor Dr. Jayant Jagtap

The title of this paper was Applications of Disease Detection using Digital Image Processing Techniques which involved a study of concepts such as **Neural Networks and the machine learning algorithms** related to it. The paper also discussed the idea of a disease prediction model based on 3 different diseases and their application in the Medical Field.

- Paper Published under **Library Philosophy and Practical Journal by the University of Nebraska-Lincoln.**
- Shortlisted for the Top 5 projects in the Youth Zest Virtual Project Contest organized by the Indian Institute of Project Technology (IIPT).

### **A Novel Approach towards Healthcare using Identity Access Management and Machine Learning (Publication)**

Advisor Dr. Jayant Jagtap

- Presented a digital healthcare platform leveraging Identity Access Management and Machine Learning, addressing healthcare challenges by automating critical processes, enabling smart disease detection, and enhancing doctor-patient collaboration.
- Paper Published under **International Journal For Research in Applied Science and Engineering Technology.**
- Shortlisted and qualified for **Top 2 in the Techbharat National Level Hackathon. Organized by Government of Karnataka & BMS College of Engineering and Sponsored by** 

### **Yelp-inspired Full Stack web application**

- Utilized JavaScript, CSS, React (front end), and Java (back end).
- Conducted thorough API testing using Postman. Enhanced user experience and interaction for the platform.
- This project was part of the Capstone Project Executive PG Program in Software Development at IIIT Bangalore. Applied concepts of design patterns and system analysis techniques.

### **Overspeed Vehicle Detection using Arduino**

- This project aimed to develop a system that detects cars driving at speeds over specified limit and inform concerned authorities immediately. It used the **Arduino Microcontroller and GPS module** as soon as an over speeding vehicle is detected. The vehicle is detected using IR sensors.
- Designed the **Circuit simulation, Printed Circuit Board and 3-D modelling** for the device using Fusion360.

## **INVITED TALKS**

- Entrepreneurial Mindset and the Economics of Development**  
*Organized by the Great Lakes Institute of Management, Chennai, IN*
- Role of an Entrepreneur towards Innovation**  
*Atal Great Lakes Balachandran Incubator, Pune, IN*

July 2022

Jan 2022

## **PROFESSIONAL CERTIFICATIONS**

1. Snowflake SnowPro COF-CO2 for Data Engineers (**Certification of Merit by Snowflake**)
2. Microsoft Azure Fundamentals AZ-900 Licenced Certification (**Certification of Merit by Microsoft**)
3. Applied Data Science Specialization (Certification by **IBM | Coursera**)
4. Databricks Lakehouse Data Engineer Associate (**Certification of Merit by Databricks**)
5. Amazon Web Services Solutions Architect Associate (**Certification by Udemey**)

## **ACHIEVEMENTS**

1. Participated and won in the **Hacker Earth's AGBI Health tech grand challenge Hackathon** sponsored by NITI Aayog and Atal Innovation council out of around 1500+ teams.
2. Awarded the **Outstanding Performer Award** for my performance during the Internship by FORNAX INC and Microsoft Technology Awards.
3. Received Honorable Mention and ranked in the **Top 5 teams of Youth Zest Virtual Contest out of 1000 teams** organized by the **Indian Institute of Project Technology (IIPT)**.
4. Qualified for the **Top 2 teams in the Techbharat National Level Hackathon** organized by BMS College of Engineering and Government of Karnataka sponsored by Ministry of Human Resource Development, Ministry of Education and All India Innovation Council.
5. Participated and Qualified in the Top 15 teams in the **Innerv 5.0 one of the biggest National Level Hackathon Event organized by HASHMAP, ACCORPS and DEVFOLIO**.
6. **Bronze Medalist** in the International French Language Olympiad organized by the French Embassy of India.
7. Applied Data Science Specialization (authorized by **IBM**)
8. Represented College in the **Communique International Telecom Seminar**. The annual fest of Symbiosis Institute of Telecom Management. It explored whether the present ecosystem is resilient enough to sustain developments or the converging telecom tumultuous will topple the ICT domain. Imminent speakers from COAI, Oracle, Yes Bank, Accenture etc. graced the event and shared their rich experiences during panel discussions and keynote sessions.
9. Selected to represent India and my College as a Delegate in the **Conference of Harvard Project for Asian and International Relations (HPAIR)**. Networked and took active participation in all keynote sessions surrounding Leadership, Healthcare, and Social Causes.
10. **Finalists in the ZS Campus Beats Case Challenge organized by ZS Associates**. Selected as the Top 100 teams selected among 4000+ teams participated from various colleges all over India.

## **CO-CURRICULAR AWARDS AND POSITIONS OF RESPONSIBILITY**

1. Founder of ANR Medicus Technologies Private Limited, a Healthcare technology company which aims at making healthcare more accessible and affordable through technology.
2. Received a Diploma in French A1 Level Delf Exam, *Alliance Francaise, Awarded by Ministry of Education France*
3. Bronze Medalist, *National Cyber Olympiad, Science Olympiad Foundation, State Rank Holder*.
4. Project Lead for a group of 25 student interns for the Major Project Task, *also managed to complete the entire project before deadline during the internship at Fornax INC, Mumbai*.
5. Core Committee Member of Events committee in "Techchela", *the annual Tech fest of SIT*.
6. Core Committee Member of Logistics and Hospitality committee in "Reverb", *the annual cultural fest of SIT*.
7. Represented E&TC department in the Cricket and Volleyball team for two years in "PROTA", *the annual sports fest of SIT*.
8. Represented E&TC department in "Arambh", *the annual cultural fest of SIU*.
9. Winner of "Best Delegate Award" at the *Model United Nations (MUN)* organized by *Meridian School*.
10. Recipient of "Best Fresher Award", at *Meridian School 2018*