DEVESH RAI

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EDUCATION

Thakur College of Engineering and Technology, Mumbai　　Dec 2021 - Jun 2025
Bachelor of Engineering in Computer Engineering　**9.5 CGPA**　Mumbai, India

PACE Junior Science College, Mumbai　　Jun 2020 - Aug 2021
Higher Secondary (12th Grade) - Science　**89%**　Mumbai, India

INTERNSHIPS

Web Development Intern 🔗　　Mar 2024 - Jun 2024
Dental-HiFi　Mumbai, India
- Developed the frontend of the Dental-HiFi working website using REACT.js. Implemented responsive and user-friendly interfaces to enhance user experience.

Backend Developer Intern 🔗　　Dec 2023 - Feb 2024
Shweta Associates and Garments　Mumbai, India
- Collaborated with the development team to develop and maintain server-side logic, ensuring robust backend functionality. Optimized database performance and implemented RESTful APIs.

TECHNICAL SKILLS

Programming Languages: Python, C#, SQL
Tools and Technologies: Microsoft Fabric, Databricks, Power BI, Git, PySpark
Frameworks and Libraries: Angular 17, .NET Core, Entity Framework Core, Spark MLlib
Machine Learning: Imputation, Encoding, Feature Engineering, AutoML, Model Training, Hyperparameter Tuning, Evaluation, MLflow, MLops, Unity Catalog
Databases: SQL Server, MongoDB
CS Fundamentals: Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Database Management Systems, Operating Systems, Software Development Life Cycle

CLOUD & CERTIFICATIONS

AWS Services: S3, IAM, EC2, CloudWatch, VPC, ECS, Route 53
AWS Tools: AWS CLI, AWS CloudFormation, AWS CloudTrail
Certifications:

Databricks Certified Machine Learning Associate 🔗
Databricks Certified Data Analyst Associate 🔗
Microsoft Certified: Fabric Data Engineer Associate (DP-700) 🔗
AWS Certified Solutions Architect – Associate (In Progress)

PROJECTS

- **Football Performance Analytics** | *Microsoft Fabric, Databricks, PySpark*
  End-to-end analytics project using Microsoft Fabric and Databricks. Processed Kaggle datasets with PySpark, transformed data via Dataflow Gen2 and Notebooks, and built a 4-stage pipeline with Gmail notification.

- **Pharmacy Management System** | *Angular, .NET Core, SQL Server*
  Full-stack Angular 17 + .NET Core app with SQL Server, JWT Auth, and role-based access. Features real-time inventory, order flow, cart, password reset via SMTP, and responsive UI.

- **AWS Projects & Demos** | *AWS, Lambda, Step Functions, EC2*
  A collection of AWS demos (EC2, S3, VPC) including a serverless mini-project, **Pet Cuddle O Tron**, which uses Lambda and Step Functions for workflow orchestration.

ACHIEVEMENTS & ACTIVITIES

- Co-authored 3 research papers on quantum computing, data privacy in healthcare, and political ethics. Published in IJRPR, IJSRET, and IJNRD (2024). [1] [2] [3]

- Represented Thane district in Maharashtra State Sepaktakraw Championship (2018).

- Runner-up – Grassroots Football Fiesta (2017).

- Won school-level chess tournaments consistently (Grades 5–10).