

DEVESH RAI

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EDUCATION

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| Thakur College of Engineering and Technology, Mumbai <i>Bachelor of Engineering in Computer Engineering</i> 9.5 CGPA | Dec 2021 - Jun 2025 Mumbai, India |
| PACE Junior Science College, Mumbai <i>Higher Secondary (12th Grade) - Science</i> 89% | Jun 2020 - Aug 2021 Mumbai, India |

INTERNSHIPS

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| Web Development Intern 🔗 <i>Dental-HiFi</i> | Mar 2024 - Jun 2024 Mumbai, India |
| <ul style="list-style-type: none">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 🔗 <i>Shweta Associates and Garments</i> | Dec 2023 - Feb 2024 Mumbai, India |
| <ul style="list-style-type: none">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 🔗
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).