



# DEVESH RAI

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## EDUCATION

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

## INTERNSHIPS



<b>Web Development Intern</b>  <i>Dental-HiFi</i>	<b>Mar 2024 - Jun 2024</b> Mumbai, India
<ul style="list-style-type: none"><li>Developed the frontend of the Dental-HiFi working website using REACT.js. Implemented responsive and user-friendly interfaces to enhance user experience.</li></ul>	
<b>Backend Developer Intern</b>  <i>Shweta Associates and Garments</i>	<b>Dec 2023 - Feb 2024</b> Mumbai, India
<ul style="list-style-type: none"><li>Collaborated with the development team to develop and maintain server-side logic, ensuring robust backend functionality. Optimized database performance and implemented RESTful APIs.</li></ul>	

## 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).