

# DEVESH RAI

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## EDUCATION

**Thakur College of Engineering and Technology, Mumbai**  
*Bachelor of Engineering in Computer Engineering* **9.5 CGPA**

**Dec 2021 - Jun 2025**  
Mumbai, India

**PACE Junior Science College, Mumbai**  
*Higher Secondary (12th Grade) - Science* **89%**

**Jun 2020 - Aug 2021**  
Mumbai, India

## INTERNSHIPS

**Web Development Intern** 🔗  
*Dental-HiFi*

**Mar 2024 - Jun 2024**  
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** 🔗  
*Shweta Associates and Garments*

**Dec 2023 - Feb 2024**  
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 🔗

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).