

# Devesh Rai

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## EDUCATION

**PACE Junior Science College, Thane**

Higher Secondary (12th Grade) - Science **89%**

Thane, India

August 2021

**Thakur College of Engineering and Technology, Kandivali**

Bachelor of Engineering in Computer Engineering **9.5 CGPA**

Mumbai, India

December 2021 - June 2025

## INTERNSHIPS

**Web Development Intern**

Dental-HiFi

Thane, India

March 2024 - June 2024

- Developed the frontend of the Dental-HiFi working website using REACT.js. Implemented responsive and user-friendly interfaces to enhance user experience. [\[Proof of Work\]](#)

**Backend Developer Intern**

Shweta Associates and Garments

Mumbai, India

December 2023 - February 2024

- Collaborated with the development team to develop and maintain server-side logic, ensuring robust backend functionality. Optimized database performance and implemented RESTful APIs. [\[Proof of Work\]](#)

## TECHNICAL SKILLS

**Programming Languages:** Python, C#, TypeScript

**Tools and Technologies:** Microsoft Fabric, Databricks, Power BI, Git, PySpark, T-SQL, Notebooks, Pipelines

**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-7000) 

AWS Certified Solutions Architect – Associate (In Progress)

## PROJECTS

- Football Performance Analytics**, 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. [\[GitHub\]](#)
- Pharmacy Management System**, Full-stack Angular 17 + .NET Core app with SQL Server, JWT Auth, and role-based access (Admin, Doctor, Supplier). Features real-time inventory, order flow, cart, password reset via SMTP, and responsive UI. [\[GitHub\]](#)
- AWS Tasks and Videos**, A collection of AWS tasks and their demonstration videos. These tasks involve services such as EC2, S3, VPC, and more. [\[Drive\]](#)
- Pet Cuddle O Tron**, A serverless AWS app to automate pet care tasks. Used Lambda, API Gateway, S3, SES, Step Functions, and DynamoDB for workflow orchestration, storage, and notifications. [\[Drive\]](#)

## 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).