# Devesh Rai

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## EDUCATION

**PACE Junior Science College, Thane**  Thane, India
*Higher Secondary (12th Grade) - Science*  *89%*  *August 2021*

**Thakur College of Engineering and Technology, Kandivali**  Mumbai, India
*Bachelor of Engineering in Computer Engineering*  *9.5 CGPA*  *December 2021 - June 2025*

## WORK EXPERIENCE

**Web Development Intern**  Thane, India
*Dental-HiFi*  *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**  Mumbai, India
*Shweta Associates and Garments*  *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
**Frameworks and Libraries:** Angular 17, .NET Core, Entity Framework Core
**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:**

  Microsoft Certified: Fabric Data Engineer Associate (DP-700) [See Certificate]
  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).