



ESHA BALAJI



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Bengaluru , India



[eshabalaji](https://github.com/eshabalaji)

EDUCATION

2022–Present(6th Sem)

BNM Institute Of Technology

B.E. in CS

CGPA – 9.3

2020–22

Base PU College

Percentage – 97%

Skills

Programming Languages

- Java
- Python
- JavaScript
- HTML
- CSS

Databases

- Oracle SQL

Frameworks/Libraries

- Spring
- Angular
- Streamlit
- Matplotlib

Cloud & DevOps

- AWS Lambda
- AWS DynamoDB
- AWS S3 Bucket
- Git, GitHub

Tools

- Power BI
- Cisco Packet Tracer

Core Concepts

- Data Structures & Algorithms
- Design & Analysis of Algorithms
- Software Engineering
- IT Fundamentals

AI & Data Science

- Gen AI
- Data Science

Experience

Student Trainee at PWC

Duration – February 2025 – To Date

Successfully completed the training with >90% score.

The course covered theoretical, hands on and assessment sessions

- Technical: Oracle RDBMS, Java, DevOps covering CI/CD, Cloud Computing in Azure AWS and GCP.
- Process: Agile

Intern at GTRE – DRDO

Duration – 1 Month | August 2024 – September 2024

Worked as a Networking and Web Application Development Intern

- Developed a full-stack Employee Management web application using Angular and Oracle SQL, implementing CRUD operations and building APIs with Spring.
- Designed a fully functional personalized search bar for comprehensive text searches across all fields.

Projects

Melodia–The Virtual Piano

- A piano developed to play various music tunes and save the in database
- Programming Language – Java , MySQL

AI–Based Story Book Generator

- Developed an AI storybook generator using Claude 3 Haiku (story) and Stable Diffusion (image) from any prompt.
- Implemented a system to compile AI-generated stories and images into downloadable PDF storybooks.

Multi Layer Encryption and Decryption

- Developed a cloud-based multilayer encryption-decryption system using AWS Lambda, S3, and ReactJS, ensuring secure file handling.
- Implemented a four-layer encryption pipeline with custom FED key generation for enhanced data confidentiality and integrity

Smart Watch Data Analyser

- Analyses the data of a smart watch for a user and predicts sleep apnea and SOS system in case of emergency.
- Programming Language – Python with streamlit, matplotlib, pandas, numpy

Volunteering Portal

- Programming Language – HTML , CSS , JS , Firebase
- Portal where user can register for any volunteering service and publishers can publish events

AlgoView

- Data Structure and Algorithm Sorting Visualizer
- Programming Language – Python

Plant Health Detector

- Detect and classify diseases in tomato and potato plant leaves
- Programming Language – Python

Certifications

Samsung Innovation Campus –2023

- Coding and programming (Basics of Python, DSA, Data Analytics)

NPTEL

- DSA in Python
- Basics of C

PwC Launchpad 2025

- IT Fundamentals
- RDBMS
- Java
- Devops & Cloud Fundamentals