VELCHURI MAHESH
Undergraduate
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EDUCATION

Degree	Specialization	Institute	Year	CGPA
B.Tech	Artificial Intelligence & Data Science	SR Gudlavalleru Engineering College	2022-2026	7.83
Intermediate	Physics, Chemistry & Mathematics	Sri Chaitanya Junior College	2022	69.3%
SSC	-	Bhashyam Public School	2020	8.3

INTERNSHIPS

- **Full Stack Development (MERN) Intern** [*SmartBridge & APSCHE]*   May 2025 – July 2025
  Completed a 2-month virtual internship developing scalable full-stack web applications using MongoDB, Express.js, React.js, and Node.js.
- **Web Development Intern** [*Adverk Technologies*]   Dec 2024 – Jan 2025
  Built and integrated 2 front-end modules using Git and REST APIs, enhancing feature stability for 200+ users.
- **Data Science Trainee** [*Adverk Technologies*]   Aug 2024 – Oct 2024
  Built 2 ML models in Python using Pandas, NumPy, and scikit-learn, achieving 80%+ accuracy on validation data.
- **Generative AI Intern** [*SmartBridge & APSCHE*]   May 2024 – July 2024
  Completed a 2-month internship applying Generative AI techniques to build and deploy practical AI models for automated content generation.

PROJECTS

- **Book Store Web Application (Spring Boot):**
  Created a full-stack book store application using Spring Boot, Thymeleaf, and MySQL, implementing CRUD operations to manage a catalog of 100+ books with a mobile-friendly interface.
- **Prayer Recommendation Engine (Data Science Project):**
  Designed a Flask-based web app using Natural Language Processing (NLP) to analyze user emotions and recommend Bible verses, applying Python, HTML, and JavaScript.
- **Bank Management Application (Spring Boot):**
  Engineered a secure banking system using **Spring Boot**, **Spring Security**, **Thymeleaf**, and **MySQL**, supporting registration, login, deposits, withdrawals, transfers, and transaction history with role-based access control.
- **Portfolio Website (HTML/CSS/JS):**
  Designed a modern, responsive personal portfolio using **HTML**, **CSS**, and **JavaScript** to showcase projects, resume, achievements, and contact information.
- **ShopEZ (MERN Stack):**
  Developed a full-stack e-commerce application using **MERN** stack, supporting 50+ product listings and enabling checkout, cart management, and user reviews.

POSITIONS OF RESPONSIBILITY

- Led a team of 4 in the IT Branch Hackathon, developing chitti-zeta.vercel.app, a smart web assistant for productivity management, and won 2nd place among 50+ teams.
- Performed as a tabla musician in college cultural festivals.

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Won first place in Pixel Play (PARICHAI 2024) for AI-based creative photo editing.
- Built and showcased personal projects on mahesh-dev-portfolio.netlify.app.
- Attended a 4-day workshop on "Web Scraping to AI" at SRGEC in Jan 2025.
- Volunteered in a blood donation camp, assisting with 500+ donor registrations.

TECHNICAL SKILLS

- **Languages:** Java, Python, HTML5, CSS3, JavaScript, SQL.
- **Frameworks & Tools:** Spring Boot, MERN Stack, Thymeleaf, Git, GitHub, VS Code, Postman, MySQL, STS4.
- **Technologies & Concepts:** Full-Stack Development, REST APIs, Spring Security, Data Science, DSA.
- **MOOCs & Certifications:** Data Science, Web Development, Infosys Java, Generative AI, Web Scraping with AI, NPTEL IoT, MERN Stack, AWS Cloud Architecture for Java Spring Boot.