

KEERTHIPATI POOJITHA

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OBJECTIVE

Motivated and enthusiastic Software Engineer with a strong foundation in Python, Java, HTML, JavaScript and CSS. Seeking an entry-level position where I can apply my academic knowledge and skills to real-world challenges, contribute to innovative projects, and grow as part of a dynamic team.

TECHNICAL SKILLS

- **Frontend Development:** HTML, CSS, JavaScript
- **Programming Languages:** Java, Python
- **Backend Development:** Java
- **Databases:** MySQL, MSSQL
- **Tools & Platforms:** Git-GitHub, VS Code, Eclipse

CERTIFICATION

- **Python Programming:** Focused on OOPS Concepts, Data Structures - By APSSDC.
- **AWS Cloud:** Virtual Internship - By APSCH.
- **Blockchain Technology:** Bridge Course Training Program - By FutureSkills.
- **Cyber Security:** Virtual Internship - By Prowork.
- **Computer Application:** Diploma - By S.V. Polytechnic.

EDUCATION

Annamacharya Institute of Technology and Sciences | B.Tech in Computer Science of Engineering including IOT, Cyber Security and Blockchain Technology). **2020-2024**

- Pursued B.Tech with CGPA 9.10/10

Narayana Junior College | XII (MPC) **2018-2020**

- Completed XII with CGPA 9.56/10.

Dr.K.K.R's Gowtham School | X (MPCBSE) **2017-2018**

- Completed X with CGPA 9.8/10.

SKILLS & ABILITIES

- Proficient in Python and Java for backend development and robust application logic. Strong Command of HTML and CSS for building structured and responsive web layouts.
- Basic Knowledge of Git for version control and collaboration.
- Adept at problem-solving and eager to learn new technologies.
- Effective communication and teamwork skills.

PROJECTS

Higher-Level Security Scheme for Key Access of Cloud computing

- **Description** – This Key access management scheme allows for a secure transition of hierarchical access policies to digital platforms, enabling public cloud systems to function as private clouds. The scheme uses Shamir's secret sharing and polynomial interpolation to ensure secure access in hierarchical organization, particularly for mission-critical data. It minimizes data breach risks by eliminating the need to store keys directly.
- **Responsibilities** – Designed the secure access control mechanism based on hierarchical topologies and Shamir's secret sharing algorithm, ensuring computational efficiency and resistance to collaboration attacks. Implemented a directed graph with topological ordering for access control, minimized storage requirements, and ensured that only authorized users could retrieve keys.
- **Technology Used** – Python, HTML, CSS, MySQL, Flask Framework.

Serverless Contact Form

- **Description** – Developed a serverless contact form for handling form submissions using AWS Lambda and AWS SES. This system securely sends form data via email without the need for a backend server.
- **Responsibilities** – Configured AWS Lambda functions for form submission processing, set up AWS SES for secure email delivery, and designed a simple HTML form interface. Tested the function locally and deployed it using the serverless framework. Managed permissions and logging through AWS IAM and CloudWatch.
- **Technology used** – AWS Lambda, AWS SES, HTML, JavaScript.
- **Deployment Link** - serverless-contact-form

EXTRA-CURRICULARS AND ACHIEVEMENTS

Achievements

- Achieved Hacker-Rank 5 Star in Java
- Solved competitive programming questions on GeeksforGeeks.

Extracurricular

- Participated in Community Service Project.
- Engaged in Technical events and activities during undergraduate studies.