

Mamidala Ramu

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EDUCATION

MLR INSTITUTE OF TECHNOLOGY

B. TECH IN AERONAUTICAL ENGINEERING
JULY 2021 | HYD, INDIA
GPA: 6.92/10

SRI CHAITANYA JUNIOR KALASALA

INTERMEDIATE IN Math's, Physics and Chemistry
MARCH 2017 | HYD, INDIA
Marks: 857/1000

ST. ALPHA'S HIGH SCHOOL

High School.
May 2015|HYD, India
GPA: 9.3/10

LINKS

Github:// mamidalaramu
LinkedIn:// mamidalaramu
BlenderArtist:// mamidalaramu
Itch.io:// mamidalaramu.itch.io

COURSEWORK

UNDERGRADUATE

Aircraft Design and Performance
Flight Dynamics, Aerodynamics
Avionics and Navigation
Systems Propulsion Systems
MATLAB, Python, C++
SolidWorks, Catia V5
Unix Tools and Scripting

SKILLS

PROGRAMMING

Java • Shell • Python • JavaScript
• Unity3D • HTML • CSS
• Blender3D
Familiar: • Android • MySQL • Flask
• Unreal Engine

EXPERIENCE

ACCENTURE | ASSOCIATE SOFTWARE ENGINEER

September 2021 - Present | Hyderabad, INDIA

- Worked on IBM Integration Bus and Application Connect Enterprise infrastructure operations.
- Managed servers, configured them, and created nodes to ensure high uptime and data integrity.
- Developed scripts to automate certificate exchange, application monitoring, and obtaining certificates, improving efficiency and reducing manual errors.
- Contributed to the development of a web portal that allows clients to perform actions such as restarting, configuring JDBC, editing policy files, deploying applications, and configuring services.
- Collaborated with cross-functional teams to optimize system performance and ensure smooth operations. Wrote scripts which can be used from web portal.

PROJECTS

Python Telegram Bot | Python, Flask Framework

As a developer, I contributed to the designed and development of a Telegram bot for compressing images using Python and Flask Framework. The bot was deployed on PythonAnywhere. The key responsibilities and achievements include:

- Designed a Telegram bot that allowed users to compress images using their preferred quality settings.
- Developed the bot using Python and Flask Framework, ensuring its functionality and reliability. Deployed the bot on PythonAnywhere to make it accessible to Telegram users.
- Implemented the ability to allow users to input the quality of the image that they want to reduce, making the process user-friendly.
- Conducted testing and troubleshooting to ensure that the bot was functioning as expected.

AlarmQ | Android, Kotlin, Jetpack Compose

- Contributed to the design and development of AlarmQ, an Android application using Jetpack Compose.
- Implemented alarm intervals to remind users to take breaks and switch activities after a specified interval.
- Added the feature of setting profiles for different activities such as work, entertainment, or playing games.
- Utilized Kotlin and Java programming languages for development.
- Collaborated with a cross-functional team to optimize the application's performance and user experience.

ACHEIVEMENTS AND ACTIVITIES

2019 Best flight team in IAAA drone racing competition
2020 Best project award for Detection of Landmines using thermal imaging techniques.

Hunt Down game developer, published on itch.io

Survive, a small game published on itch.io, was featured on the platform's main page for a week.

Projects on Performance of tapered wing with raked winglet for a modeled plane.

The larvicide Spraying drone, sprays pesticide over a field/area Efficiently.