

# MAHESH BATHINA

Software Engineer

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## EDUCATION

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- **Bachelor of Technology in Computer Science and Engineering** 2020-24  
*Rajiv Gandhi University of Knowledge Technologies, Nuzvid* CGPA: 9.2
- **Pre University Course** 2018-20  
*Rajiv Gandhi University of Knowledge Technologies, Nuzvid* CGPA: 8.8
- **Secondary school of education** 2017-18  
*ZP High School, Muramalla, East Godavari Dist* CGPA: 10.0

## EXPERIENCE

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- **Technical Intern** July 2023 - June 2024  
*Synopsys* Bangalore
  - worked on creation of cloud infrastructure using terraform scripts and automate the software intergration.
  - Integrated PGPOOL (a middleware solution) between application and database to optimize the performance.
  - In-depth understanding of Docker, Kubernetes, Helm, Gitlab Pipelines and Golang.
  - Worked on Gitlab CI/CD Automation to automate the Dev and Release Pipeline.
- **Python Django Developer Intern** Apr 2023 - June 2023  
*Across The Globe* Bangalore
  - Developed and maintained various web-applications using django-framework.
  - Assist in the development of new features and functionality for web applications.

## PROJECTS

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- **Automated Attendance System** *Python, Deep Learning, HTML, CSS, Bootstrap, Django* [Source Code](#)
  - It is a CNN-based Automated Attendance system to automate group attendance.
  - Results in a 90 percent reduction in time spent on manual attendance recording.
  - It is implemented using Python, TensorFlow, and OpenCV, achieving an accuracy rate of 95 percent on average.
  - Taking a single picture of the whole class attendance will be marked for all the students.
- **Personal Portfolio** *HTML, CSS, JavaScript, Git* [Source Code](#)
  - Developed and launched a personal portfolio website showcasing my skills, projects, and achievements, demonstrating proficiency in web development and design.
- **Emotion Aware Music** *HTML, CSS, JavaScript, Bootstrap, Django Framework Deep Learning.* [Source Code](#)
  - Front-End for Music recommendation system takes the secret image of the user after logging in and converts the captured images into gray-scale image and they will be sent to the emotion classifier Machine Learning model which helps in predicting the emotion of the user.
  - Based on the emotion the application plays the songs in order to make the user happy.

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C/C++, Java, Python, Javascript, HTML+CSS

**Libraries :** Python Libraries, ReactJs

**Web Dev Tools:** jQuery, Nodejs, VScode, Git, Github, Gitlab CI/CD

**Frameworks:** ReactJs, Bootstrap, Django

**Cloud/Databases:** Docker, Kubernetes, Helm, Terraform, MongoDB, Firebase, Relational Database(mySql)

**Relevant Coursework:** Design and Analysis of Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, System Design.

**Areas of Interest:** Devops , Web Design and Development, Backend Development.

**Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability

## CERTIFICATIONS

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- Certificate of Completion for 'Applied Data Science Capstone' from Coursera (Apr 2023) [Link](#)
- Certificate of Accomplishment in 'Programming for Everybody Python'. (Mar 2023) [Link](#)
- Certificate of completion in 'Google Analytics for Power Users' from Google. (Feb 2023) [Link](#)

## POSITIONS OF RESPONSIBILITY

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- **Event manager, RGUKT, Nuzvid** Oct 2020 - June 2023  
Worked as an Event manager for the events like Technical fests, farewell in my college RGUKT NUZVID.