



Bunedu sai vaibhav

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Bachelor of Technology

Computer Science and Engineering

Institute of Aeronautical Engineering , Hyderabad

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EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech CSE	Institute of Aeronautical Engineering , Hyderabad	Institute of Aeronautical Engineering	7.47 (Till 5th Sem)	2021-Present
Intermediate	Sri Chaitanya Junior Kalasala	State	88.8%	2021

EXPERIENCE

- Internship** August 2023 - September 2023
THE NATIONAL SMALL INDUSTRIES CORPORATION LTD TECHNICAL SERVICES CENTRE
 - Completed a 3-week internship on Amazon Web Services (AWS) at The National Small Industries Corporation Ltd Technical Services Centre. Gained hands-on experience in cloud computing, enhancing skills in cloud services and infrastructure
 - Authored a detailed whitepaper on AWS cloud migration strategies, which was shared with 50+ stakeholders; the document led to the successful migration of 3 critical applications, enhancing system performance by 25 percent.
 - Facilitated workshops with AWS experts, driving discussions on cloud optimization strategies; these sessions equipped the team with actionable insights that improved resource allocation by 15 percent and enhanced service reliability.
- Internship** April 2024- June 2024
All India Council for Technical Education (Aicte) Internship
 - Completed a 10-week Zscaler Virtual Internship with Google for Developers, facilitated by AICTE.and EDU Skills. Gained real-time experience with Zscaler algorithms, teamwork, and problemsolving.

PROJECTS

- Code Clause**
Python Developer
 - Developed a Mail Application that streamlined email management; incorporated features such as spam filtering and priority inbox, which improved user productivity and reduced inbox clutter for 200+ users
- Personal Portfolio Website**
Web Development
 - Engineered a suite of interactive web applications using HTML, CSS, and JavaScript, resulting in a 40 percent reduction in user complaints regarding interface usability and an increase in user engagement metrics.
 - Created modular web components with a focus on clean code principles, leading to a 50 percent decrease in maintenance time and allowing for quicker iterations on user feedback and feature requests.
- Image Super-Resolution via Iterative Refinement**
Image Processing
 - The Super-Resolution, Repeated Refinement (SR3) works with a noise erasing process which consists of pure Gaussian noise at the beginning and image improvement after conditioning the U-Net on a solution in a low resolution. It performs extremely well in super-resolution problems, especially on faces and natural images, where nearly half of the human evaluations were deceived, indicating high realism.
 - SR3 also results better than baselines both in human evaluation and in classification tasks on image classification further datasets. At the same time, it is good at cascade image refinement and can synthesize high quality images with reasonable FID scores.

TECHNICAL SKILLS

- Programming Languages:** Python , Java , HTML/CSS
- Tools and Frameworks:** Visual Studio, Jupiter NoteBook
- Operating Systems:** Linux, Windows

KEY COURSES TAKEN

- CSE:** Introduction to C/C++, Object Oriented Programming in C++ and Java, Data Structures and Algorithms,Operating System, Database Management System

CERTIFICATIONS

- Code clause:** Python developer
- NSIC:** Amazon web services
- AICTE:** Zero trust cloud security

ACHIEVEMENTS

- Gold Medal, Batminton Doubles,** Tandur
- Silver Medal, Batminton Singles,** Tandur