

RAMAN SONI

soni.raman.1602@gmail.com ♦ [Github](#) ♦ [Linkedin](#) ♦ +91 9461406697

Engineering graduate looking for a software development role

EDUCATION

B.Tech in Electrical Engineering, Indian Institue of Technology Mandi 2018 - 2022
CGPA: 7.51

Relevant Coursework: Data Structures And Algorithm, Information and Database Systems, Operating Systems, Data Science, Statistical Learning, Data Handling and Visualization, Special Topics in Deep Neural Networks

SKILLS

Languages	C, C++, C#, Python, Matlab
Web Technologies	HTML, CSS, Javascript, ReactJS, NodeJS, flask.
Design Skills	Procreate, Adobe Illustrator, Figma, Adobe Photoshop

EXPERIENCE

Management Trainee Aug 2022 - Dec 2022
ICICI Bank Ltd. *Hyderabad, India*

Initiated and managed the creation and delivery of digital visiting card for all the ICICI employees.

Coordinated with teams of business analyst, developers, designers.

Worked as the application owner for iSpace an app catering 1.25L+ bank employees.

Responsible for maintenance, scaling, new enhancements and tech support for this app.

PROJECTS

Audio Equalizer Design Tech Stack: C++, JUCE framework
A 3-band audio equaliser running live on line audio to boost vocal sound and reduce noise.
Used modules from the JUCE framework to set dsp - band-cutoff, amplification and band-pass filters
Created GUI to control the parameters and display visual response curves and spectrum analysers.

Online Dating Webapp Tech Stack: ReactJS, MongoDB, NodeJS + ExpressJS
Online Dating website where profile can be liked by swiping and if both profiles like each other chat can be opened.
Implemented features of authentication, profile management, multimedia handling and a chat platform.

2D Game Design Tech Stack: Unity Game Engine, C#, Blender
Created a 2D endless game using the Unity game engine.
Used C# scripting for game physics, sprite management, animations and level management.

MuniCern Online platform Tech Stack: HTML, CSS, flask, openpyxl, bootstrap
MuniCern is a webapp that provides a public interface to post their issues to the Municipality.
Dashboard for municipality shows all the issues currently open and adds new issues after checking for duplicates.
Developed in a team of 3 during the Hack36 Hackathon at IIT Mandi.

Data Analysis of BNG devices Tech Stack: Python, Scipy, Numpy, Pandas
Performed data cleaning, pre-processing and predictive analysis on performance records of Broadband Network gate-way devices across IIT Mandi Campus.
Methods used like outlier removal, linear interpolation, standardisation, principle component analysis.
Classification techniques included KNN, Naive Bayes and GMM models and prediction by polynomial regression.

ACHIEVEMENTS AND POSITIONS OF RESPOSIBILITY

2nd Runner Up	Hack36 Hackathon 2019, IIT Mandi
Runner Ups	51 Hour Movie Making, InterIIT Cult Meet 2019
Public Relations Head	Exodia IIT Mandi 2020 & Rann Neeti IIT Mandi 2019
Club Coordinator	Qurocity IIT Mandi (2021-22) & PMC IIT Mandi (2019-20)