

Aman Shrivastava

ns.ns84@gmail.com | <https://github.com/aman23ks> | <https://aman23ks.herokuapp.com/>

Selected Projects

- **FashApp** – A Ecommerce mobile application . Architected using Flutter frontend and firebase backend . Allows the owner to upload his products using an admin side app that is connected to the client side app using Firebase , also allows to add products to cart and browse featured products .
- **Blog** – Worked on the backend of the app using Flask and SQLite. Creating the functionality for allowing the admin to create and edit posts. Allowing the admin and users to comment on posts if they are logged in. Using jinja as a templating engine to print the data stored in SQLite to the frontend.
- **Predicting Housing Prices using Multivariable Regression** – Using the Boston dataset to predict the housing prices in Boston using Multivariable regression model that is used to establish a relationship between a dependent variable and more than 1 independent variable.
- **Secrets** - Developed as a web application that allows users to upload their secrets to the web anonymously. Architected with Nodejs(Backend), MongoDB(database) and CSS(Frontend) Allows users to safely(password encrypted) login or register , oauth login and registration and upload their secrets on the web.
- **Daily Journal** – A webapp that allows users to write about how their day is going and post them anonymously so people can read about it. Architected using HTML, CSS, Bootstrap, Node JS and MongoDB.
- **Movie Recommender** – A web application that suggests movies to the user. Architected using HTML, CSS, Flask, SQLite, the admin can search movies using the IMDB API, give the selected movie a rating and comment according to him and post it for the viewers to see.
- **Password Generator** – A python GUI app created using Tkinter that allows users to generate passwords encrypted using the ceaser cipher algorithm, and copy them using the pyperclip package, and also save them in a JSON format in a json file.
- **Stock Analysis** – A python script that uses the alphavantage API to find the opening and closing price of a stock of a company (e.g. Tesla - TSLA) and if the price goes below 5% or above 5% it uses the news API to find the top 3 current news regarding the company, compiles them and sends them to the user as a SMS using the Twilio API as the reason for the increase or decrease in price .
- **Billboard** – A python script that scrapes the web for the top 100 billboard songs of any year using Beautiful Soup and creates a playlist of these songs on Spotify using the Spotify API.
- **Twitter Bot** – A bot Architected using selenium webdriver that checks your current internet speed, scrapes that data logs in to twitter and writes a tweet regarding your internet speed and posts it.

Publications and Presentations

- Currently working on 'The Prediction of End Of Covid in India' using previous five days data to predict how the next day's cases are going to look like using an LSTM model.
- Currently working on 'User Interface Dark Patterns ' to shed light on how deceptive user interfaces trick users into doing unintended tasks.

Experience

- **Software Development Intern at Being Digital (Feb 2021 – April 2021)**
Currently working on creating the UI for a 'IMDB for Books' app on Framer. Will be working on implementing the Frontend using Flutter and storing the data on MongoDB.
- **Web Development Intern at Sigma Tenant (June 2020 – July 2020)**
Part of the frontend team of Sigma tenant, worked on debugging and testing responsiveness of pages, Designing ,restructuring and working on multiple pages. Preparing the Icon List and Identifying Content for the Sidebars.
- **Software Development Intern at Widhya (Jan 2021 – Feb 2021)**
Designed and working on a customer review webapp Architected using HTML, CSS, Bootstrap, Flask, SQLite. Designed and worked on personal portfolio Architected using HTML, CSS, Bootstrap, Flask, SQLite and integrated the YouTube API. Worked on creating a backed RESTful API for a café and wi-fi company using Flask, SQLite and used Postman for testing the API's.
- **Mobile App Development Intern at The Sparks Foundation (Dec 2020 – Jan 2021)**
Designing and working on a banking App. Architected using Flutter(Frontend) and Firebase(Backend). The app allows users to transfer money between any two users in the app.

Education

Bachelor of Technology, Information Technology

NMIMs University – Mumbai, India

Expected Graduation – June 2022

CGPA: 3.12 / 4

Certifications

- **Web Development** – Udemy
- **Flutter** – Udemy
- **Data Structures and Algorithms** – Udemy
- **Python** – Udemy
- **C** – Multilink Academy

Skills and Abilities

- **Programming Languages** – Python, Dart(Flutter), JavaScript, C, C++
- **Libraries** – NumPy, Pandas, Matplotlib, Seaborn, EJS, jinja, handlebars, Selenium web driver, beautiful soup, SMTP, Tkinter, Turtle GUI, requests, scikit learn, Plotly, SciPy
- **Web Development** – HTML5, CSS3, Bootstrap, jQuery, React JS, Flask, Node JS, Express JS
- **Software** – Visual Studio Code, Android Studio, Code blocks, Git, Heroku, Framer, Figma, Balsamiq, Premier Pro, Photoshop
- **Platforms** – Windows, Familiar with Linux
- **Databases** – SQLite, MongoDB, Firebase

List of Achievements

- **First Time Filmmaker Session** – Part of a team that got two short films nominated to be screened at the First Time Filmmaker Session Film Festival
- **India Film Project** – Part of a team that participated in the 2018 and 2019, 24 hour film making challenge.
- **NASA Space Apps Challenge** – Part of a team that participated in the 48 hours Nasa Space Apps Challenge.
- **Capgemini Tech Challenge** – Participated in the Capgemini Tech Challenge Full Stack category

Extra Curriculars

- **Content Production Head** – Chitrarth Film Society (2020-2021)
- **Student Mentor** – Chitrarth Film Society (2019-2020)
- **Senior Executive** – Research Cell (2019-2020)
- **Executive** – Research Cell (2018-2019)
- **Executive** – Findrome – The Finance Cell of NMIMs (2018-2019)

Volunteering

- **Facebook's Developer Circle** – Part of a team that organized the **Biggest Developer's Conference in India**, which had speakers from Facebook, Google, Amazon and Tesla
- **Google Crowd Source Workshop** – Part of a team that organized the google crowd source workshop.
- **Bombay Stock Exchange** – Part of the team that organized a tour of the Bombay Stock Exchange for the final year students of our University.