Shashwath Gowda

Bioelectronics Engineer

Multidisciplinary way is my way

About me

I approach my work with enthusiasm, professionalism, and a passionate dedication that reflects in my results. Actively pursuing learning and implementation with a focus on excellence, I proactively develop a profound understanding of diverse fields of study to enhance my contributions in any work environment. My approach, characterized by rapid and independent learning, ensures efficiency in handling tasks with precision and effectiveness.

Education

2024 — **B. tech Bioelectronics Engineering** — GPA: 3.8
REVA University (Bengaluru, India)
(Currently enrolled)

2020 — **Pre University (11th and 12th)** — GPA: 3.32
BASE Pre University college

2018 — **High School** — GPA: 3.2
Regency Public School

Projects and patents

Self-evolving neural networking using principles of Natural selection (2023-2024)
I am currently working on evolving neural networks that are train based on laws of Darwin and are able to self-evolve and adapt to changing conditions.

Smart pH meter patent (2021)
An automated pH meter designed to collect and load sample data live Onto cloud based platform.

Microgravity simulator (2023)
A clinostat designed cheaper with same efficacy and efficiency as a lab tested and qualified clinostat and conducted microbial research on stress induced mutagenesis.

Contact

20 Deler pkwy, Apt 513,
Franklin park NJ, 08823

+1 (732) 433-1127

Shashwathgowda059@gmail.com

- AI & ML
- Bioinformatics
- Python and Perl
- Deep learning and reinforcement learning
- Protein Engineering
- Pharmaconetworking
- Presentation and communication
- Research skills

Achievements and internships

Artificial intelligence and machine learning developer (2023)

I was hired on contract basis in a biomedical startup, developing AI and ML codes for various diseases identification and classification. I was also solely involved in data analysis, dataset creation and every aspect of the process. i managed to finish the contract with record time of 1 month, with very high review from my contractor.

Kavach Hackathon (2023)

I was selected to represent my university in hackathon for cyber security (2023) in upcoming **national level hackathon** in July.

Bioinformatics and Microbiology intern at TDU (2023)

I worked chiefly on Pharmaconetwork analysis of ancient ayurvedic medicine, called Vilwadi gulika. We aimed to identify all the metabolites from each of the ingredients used to make the medicine and map the metabolites, to their targets and the diseases they help in curing.

I also worked in bioinformatic analysis and microbiology, with the aim of identifying the presence and isolation of various microbes present in the medicine that could aid or be the cause of some of its medicinal properties.

Cytecare Cancer Hospital as Biomedical Intern (2022)

I Worked as Biomedical intern in Cytecare cancer hospital. Involving myself in learning about various biomedical instruments and their capabilities and drawbacks. I was assigned specifically in the ICU unit and helped in managing and monitoring all the instruments.

Online certifications

Ethical hacking and cyber security

Course for intermediate level ethical hacking and cyber security from Udemy online coaching.

Fullstack Website development

Udemy bootcamp course for beginner to intermediate level fullstack web development using HTML, CSS and Java Script.

Biotechnology: antibody and their role in therapeutics

Application of antibody to treat disorders in humans and personalized medicine depending on the genetic data of each individual patient.

Course works

Biomedical and Bioinformatics

- Biomedical instrumentation
- Pharmaconetworking
- Human anatomy and physiology
- Biostatistics
- Bio MEMS
- Protein engineering
- Immunoinformatics and Immunotechnology
- Biochemistry

Computer programming:

- Java
- Python
- Perl
- MySQL
- NodeJS
- ReactJS
- Angular

AI & ML, Deep learning and Reinforcement learning

- Tensor flow
- Keras
- Torch
- PyTorch
- Scikit learn

Electronics engineering

- Microcontroller and Microprocessor
- IoT
- Signal processing
- Control systems
- Linear signals and systems