

Nasreddine Bac Ali

ENGINEERING STUDENT IN COMPUTER SCIENCE

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"Be the change that you want to see in the world."

Summary

Currently an engineering student at the National Engineering School of Sousse; at least one year of experience in back-end, web development and embedded systems; super nerd who loves competitive programming, Linux and likes to lend a hand to anyone who needs help; interested in developing a better problem-solving method for challenging tasks and learning new technologies and tools.

Education

National Engineering School of Sousse

APPLIED COMPUTER ENGINEERING

Sousse

SEP. 2016 - ONGOING

Preparatory Institute for Engineering Studies of El Manar

PREPARATORY DIPLOMA IN MATHEMATICS AND PHYSICS

El Manar, Tunis

SEP. 2014 - JUNE. 2016

Ibn Rochd High School

BACHELOR'S DEGREE IN MATHEMATICS 2014

Chebba, Mahdia

SEP. 2010 - JUNE. 2014

Skills

Programming Java, JEE, C/C++, C#, Python, Node.JS, LaTeX
Web Angular, .Net, Express, Flask, HTML5, CSS
Languages Arabic, English, French

Experience

Personal Website

WEB APP

ENISo, Sousse

OCT. 2018 - NOV. 2018

- It is a web application designed for personal CV/Resume and projects presentation. It is composed of a CV presentation and a dashboard to manage projects.
- Techs: NodeJS, ExpressJS, MongoDB, Git, Jenkins, CI/CD.

Project Management Software

WEB APP

ENISo, Sousse

NOV. 2018 - ONGOING

- It is a web application designed for Orange Club ENISo projects management. It is composed of three Dashboards: Scrum Dashboard, Gantt Dashboard and Cost Dashboard.
- Techs: Java 8, Spring IoC, Spring Boot, JPA, EJB, SOAP, Postgres, MQTT, Angular 6, Git, Maven, Servlet.

Mobile Application for ACM ENISo Club

RESTFUL API & ANDROID APP

ENISo, Sousse

JUIN. 2018 - ONGOING

- It is an Android application dedicated to ACM ENISo Club members so that they can follow their progress in training for programming competitions such as Sousse Collegiate Programming Contest (SoCPC) and Tunisian Collegiate Programming Contest (TCPC).
- RESTful API : Spring Boot, Spring MVC, Spring Data, Spring Security, MariaDB.
- Android App : Android Studio, Room, Retrofit.

Temperature Control System

RESTFUL API & WEB APP

ENISo, Sousse

OCT. 2017 - DEC. 2017

- A network of Xbees dedicated to record distant sensors temperatures and send them to a Flask server of the web application so that the user can observe, control and maintain the sensors.
- RESTful API : Python2.7, Flask, MySQL.
- Web Dashboard : Angular5 (ngx-admin).
- Hardware : Raspberry Pi3, Arduino UNO, Xbee S2, DHT11.

Geolocation of Gateways

RESTFUL API & WEB APP

SAGEMCOM, Tunis

JUL. 2017 - AUG. 2017

- It is a web application designed to present a huge number of Gateways as markers and clusters in a geographic map.
- RESTful API : Spring Boot, Spring MVC, Spring Data, Elasticsearch.
- Web App : Angular2, Leaflet, TileServer-GL.

Eye Tracking Project

DESKTOP APP - PROJECT PROPOSED BY FAURECIA

ENISo, Sousse

FEB. 2017 - MAY. 2017

- It is a Windows desktop application designed for autonomous cars as a cinema screen. It is composed of an interface controlled with eye movement, a seating arrangement system and a movie recommendation algorithm using Hadoop.
- Techs : Java, C#, C++, Python, Flask, Hadoop, Tomcat.
- Hardware : Tobii EyeX, Raspberry Pi3.

Extracurricular activities

ACM ENISo Club

PRESIDENT FROM 2016 TO 2018

Sousse, Tunisia

SEP. 2016 - JUN. 2018

- Train club members in competitive programming.
- Prepare for regional and national competitions.
- Participate in several programming competitions.

ENISo TEAM

MEMBER

Sousse, Tunisie

SEP. 2017 - JUN. 2018

- Design and build robots to do different tasks.
- Participate in several robotics competitions.

Achievements

INTERNATIONAL

Sharm El Sheikh,
Egypt

2018 **Finalist**, ACM Arab Collegiate Programming Contest - ACPC 2018

NATIONAL

2018 **Finalist**, ACM Tunisien Collegiate Programming Contest - TCPC 2018

Sousse, Tunisia

2017 **Finalist**, ACM Tunisien Collegiate Programming Contest - TCPC 2017

Tunis, Tunisia

2018 **1st place**, ACM Sousse Collegiate Programming Contest - SoCPC 2018

Sousse, Tunisia

2017 **3rd place**, ACM Sousse Collegiate Programming Contest - SoCPC 2017

Sousse, Tunisia

2018 **3rd place**, ACM Sfax Collegiate Programming Contest - SfaxCPC 2018

Sfax, Tunisia

2018 **1st place**, Summer Robot 4 - Hackathon

Nabeul, Tunisia

2018 **4th place**, Chackathon « Carthage Hackathon »

Tunis, Tunisia

2018 **3rd place(Tunisia)**, Google Hash Code - Online Qualification Round 2018

Sousse, Tunisia

2018 **8th place(Tunisia)**, IEEEEXTREME 12.0 - 24H Programming Contest

Sousse, Tunisia

2018 **1st place**, ENIMROBOT 4 - All Terrain Robot

Monastir, Tunisia

2018 **3rd place**, TUNIROBOTS - 24H Challenge

Tunis, Tunisia

Committees

2018 **Organizer**, ACM Tunisian Collegiate Programming Contest - TCPC 2018

Tunisia

2018 **Organizer**, ACM Sousse Collegiate Programming Contest - SoCPC 2018

Tunisia

2018 **Media Director**, ENISo Smart Challenge V4

Tunisia

2017 **Organizer**, ACM Sousse Collegiate Programming Contest - SoCPC 2017

Tunisia