

**KAKARAPARTI BHAVANARAYANA COLLEGE
(AUTONOMOUS)**

(Sponsored by S.K.P.V.V. Hindu High Schools' Committee)
Kothapeta, Vijayawada -1

ISO: 9001-2008

NAAC "A" Grade

DEPARTMENT OF COMPUTER SCIENCE



CAREER ORIENTATION /

CAREER GUIDANCE PROGRAM

2019-2020

Career Orientation Programme On

Cyber Security

By

V. Suresh , Dept. of Computer Science

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The Department of Computer Science and Applications organized a Career Orientation Programme on 25th November 2019 on “CYBER SECURITY” by Mr. V. SURESH was conducted to III BCA-1 students.

Pursuing a career in cybersecurity means joining a booming industry where available jobs outnumber qualified candidates. According to the US Bureau of Labor Statistics (BLS), the number of cybersecurity jobs is expected to increase by 32 percent between 2022 and 2032.

Why choose a career in cyber security?

Cyber security careers are among the fastest-growing and in-demand fields of IT. Whether you're looking at further education options, have recently graduated or are considering a change of career, jobs in cyber security offer the potential for high earnings and interesting and varied experiences.

Here are a few of the key benefits you can expect to see when working in this area.

An in-demand career option

Research by the Department for Digital, Culture, Media and Sport (DCMS) conducted found half of businesses have a basic technical skills gap, while one in three has an advanced skills gap. However, 37 per cent of all vacancies for cyber roles since Jan 2019 have been hard to fill. As a result, if you do have the knowledge and experience businesses are looking for, you'll be well-placed to advance your career in whatever direction you wish.

According to the government's figures, the most in-demand roles that have proven difficult to fill include:

- Generalist cyber security role (30 per cent)
- Senior management (22 per cent)
- Penetration testers (17 per cent)
- Security architects (15 per cent)

More senior positions are proving especially difficult to find talent for, with the number of hard-to-fill roles for management jobs rising by 14 percentage points from the previous year.

Great salary prospects

This need is reflected in the salary you can expect to earn. Because demand for cyber security professionals far outstrips the supply of talent, those with the right skills stand to be very highly paid.

According to Glassdoor, the average salary for cyber security professionals in the UK stands at over £42,000. However, those in senior and specialist roles can earn significantly more than this, with chief information security officers, for example, earning an average of £90,000 - going up to £142,000 for the top jobs.

Even for entry-level roles, salaries of over £30,000 are commonplace, so those with the dedication and skills can set themselves up well for a long and rewarding career.

A range of opportunities for growth

Cyber security offers an engaging career path with a wide range of options for growth and specialisation. According to figures from DCMS, the most common job roles employers are looking for include the following:

- Security engineers (35 per cent of advertised roles)
- Security analysts (18 per cent)
- Security managers (14 per cent)
- Security architects (11 per cent)
- Security consultants (nine per cent)

However, this barely scratches the surface of what opportunities are available for those with skills in cyber security. One of the main benefits of these roles is that they offer a varied work environment where no two days are the same. As the cyber threats firms face are evolving all the time, there'll always be something new to learn and new challenges to tackle.

Where can I work as a cyber security specialist?

Cyber security professionals are in demand in companies of all sizes, and if you've got the right skills, you can work for some of the country's most innovative and cutting-edge firms. The most common sectors where firms are looking for cyber security professionals include:

- Consultancy
- Finance and insurance
- IT
- Aerospace and defence
- Communications
- Public sector
- Retail

You should also be able to find a position local to you. According to government figures, around a third of cyber security jobs are in London. However, there are opportunities available all over the UK, especially in larger cities.

You Will Find More Job Opportunities

Because cybersecurity is such a fast-growing field, there's a high employer demand for qualified professionals. Between 2007 and 2013, postings for cyber security jobs grew 74%, and according to the Bureau of Labor Statistics, employment in the field is projected to grow 18% from 2014 to 2024 - much faster than the average for all occupations. In other words, there are a lot of cybersecurity jobs to be filled.

The Resource Person is Mr. V. SURESH, Dept. of Computer Science. He addressed the students on “Resume Planning”.

